

Standard packaging

# EXPERTISE IN PLASTICS



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Methodology of  
EcoVadis recognition



Bottles and containers 4

Post-Consumer-Recycling 22

Overview business divisions  
Kautex Industrial Products 38

Intended use of products —  
materials at Kautex 40

Usage instruction for bottles,  
jerrycans and closures 42

Data sheet for thermoplastics  
in general 44



| Product                                                               | Volume ml      | Series  | Material     | Colour               | Page |
|-----------------------------------------------------------------------|----------------|---------|--------------|----------------------|------|
| <b>BOTTLES – ROUND</b>                                                |                |         |              |                      |      |
| Narrow neck bottle                                                    | 10–5,000       | 301     | LDPE         | natural colour       | 4    |
| Wide neck bottle                                                      | 50–2,000       | 303     | LDPE         | natural colour       | 5    |
| Wide neck bottle                                                      | 100–1,000      | 303     | LDPE         | brown                | 6    |
| Wide neck wash bottle                                                 | 250/500        | 303     | LDPE         | natural colour       | 7    |
| Wide neck bottle                                                      | 50–1,000       | 303     | LDPE         | brown                | 8    |
| Medium neck bottle                                                    | 100–1,000      | 307     | HDPE         | natural colour       | 9    |
| High shoulder bottle                                                  | 50–1,000       | 302     | LDPE         | natural colour       | 10   |
| Round bottle                                                          | 50–1,000       | 308     | HDPE         | natural colour       | 11   |
| Round bottle “Variopack Dual”                                         | 250–1,000      | 321     | COEX         | white                | 12   |
| Dropping bottle                                                       | 10–50          | 302     | HDPE         | natural colour       | 13   |
| <b>BOTTLES – SQUARE</b>                                               |                |         |              |                      |      |
| Narrow neck bottle                                                    | 100–2,500      | 310     | HDPE         | white/natural colour | 14   |
| Narrow neck bottle “SafeGrip”                                         | 50–500         | 310     | HDPE         | natural colour       | 15   |
| UN Narrow neck bottle                                                 | 500–2,500      | 308/310 | HDPE         | natural colour/black | 16   |
| UN Narrow neck bottle “SafeGrip”                                      | 2,500          | 310     | HDPE         | natural colour/black | 17   |
| Closures for UN narrow neck bottle & UN narrow neck bottle “SafeGrip” |                | 308/310 | HDPE         | black/red            | 17   |
| UN-wide neck bottle                                                   | 50–4,000       | 310     | HDPE         | white/natural colour | 18   |
| Narrow neck bottle “ClearGrip”                                        | 100–1,000      | 310     | PP           | highly transparent   | 20   |
| Narrow neck bottle                                                    | 250–1,000      | 310     | PVC          | transparent          | 21   |
| Narrow neck bottle                                                    | 100–1,000      | 310     | HDPE         | natural colour       | 24   |
| Wide neck bottle                                                      | 250–1,000      | 310     | HDPE         | natural colour       | 25   |
| <b>JARS AND CONTAINER</b>                                             |                |         |              |                      |      |
| Wide neck container                                                   | 50–2,000       | 310     | PVC          | transparent/brown    | 26   |
| Closures for wide neck container                                      |                | 310     | PVC and PETG | black                | 27   |
| Wide neck container                                                   | 50–2,000       | 310     | PETG         | transparent          | 27   |
| Wide neck container                                                   | 100–500        | 310     | PVC          | transparent/brown    | 28   |
| Wide neck jar                                                         | 100–2,000      | 376     | HDPE         | natural colour       | 29   |
| Wide neck container                                                   | 2,300/4,400    | 311     | HDPE         | natural colour       | 30   |
| Multipurpose container                                                | 5,000/10,000   | 357     | HDPE         | natural colour       | 31   |
| <b>CARBOYS AND OPEN TOP DRUMS</b>                                     |                |         |              |                      |      |
| Carboy                                                                | 5,000–60,000   | 350     | HDPE         | natural colour       | 32   |
| Accessories for carboys                                               |                | 350     | HDPE         | blue/natural colour  | 33   |
| Un open top drum                                                      | 30,000–120,000 | 359     | HDPE         | blue                 | 34   |
| <b>JERRYCANS</b>                                                      |                |         |              |                      |      |
| Industrial jerrycan                                                   | 2,000–30,000   | 353     | HDPE         | natural colour       | 35   |
| Industrial jerrycan                                                   | 20,000–30,000  | 353     | HDPE         | blue                 | 36   |
| Closures for industrial jerrycans                                     |                | 353     | HDPE         | white/red/black      | 37   |



## Narrow neck bottle series 301 LDPE

Flexible  
Squeezable  
Good shape-retaining properties  
Leakproof

The packaging concept of Kautex for narrow, medium and wide neck laboratory bottles consists of consumer-optimized order units.

Closures and bottles are packed together as one unit and can be ordered in an uncomplicated manner with one article number. This results in the following advantages for both dealers and end users.

- One article number for bottle and closure
- Better and clearer handling of the ordered goods
- Dust-free and undamaged packaging
- Easier and quicker to commission bottles and closures
- The end-user receives original packed merchandise

### Packaging concept:

up to 100 ml: Closures are packed in a polybag which is included in the bottles polybag.

from 200 ml: Bottles are stretched in foil, corresponding number of closures in a separate polybag in the box.

from 2,000 ml: Bottles packed loosely in the box with screwed-on closures.

 Suitable for food.

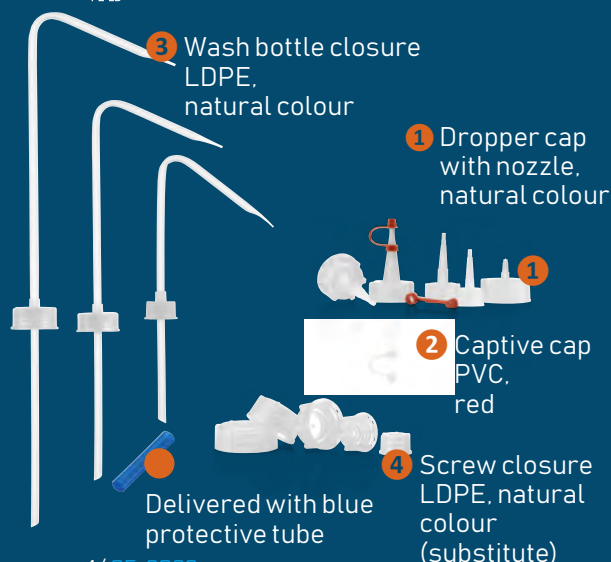
 Halal certified.

 Three types of closures for different applications.

 Ideal for liquids.

 Handy shape.

 "Recycling symbol" in accordance with Directive 97/129/EC and 94/62/EC.



4/ 05-2026

Our product video



Round | Natural colour | With closure



| Nominal capacity ml | A mm | B mm | C mm | D mm  | Mould no. | No. of pcs. per case* | No. of pcs. per packg. | Order no.  |
|---------------------|------|------|------|-------|-----------|-----------------------|------------------------|------------|
| 10                  | 26   | 9.2  | 14   | 46.5  | 301-10    | 3,200                 | 100                    | 2000770500 |
| 20                  | 31.5 | 9.2  | 14   | 56.5  | 301-20    | 1,800                 | 100                    | 2000770501 |
| 30                  | 33.5 | 9.2  | 14   | 68.5  | 301-30    | 1,400                 | 100                    | 2000770502 |
| 50                  | 37.5 | 12.9 | 18   | 86    | 301-50    | 850                   | 50                     | 2000770503 |
| 100                 | 47   | 12.9 | 18   | 105   | 301-100   | 480                   | 20                     | 2000770504 |
| 200                 | 57.5 | 12.9 | 18   | 133   | 301-200   | 300                   | 10                     | 2000770505 |
| 250                 | 61.3 | 19   | 25   | 140   | 301-250   | 210                   | 10                     | 2000770506 |
| 500                 | 75   | 19   | 25   | 177   | 301-500   | 120                   | 10                     | 2000770507 |
| 1,000               | 97.5 | 21.5 | 28   | 223.5 | 301-1000  | 56                    | 4                      | 2000770508 |
| 2,000               | 120  | 21.5 | 28   | 264   | 301-2000  | 30                    | -                      | 2000770509 |
| 5,000               | 162  | 30.8 | 40   | 355   | 301-5000  | 10                    | -                      | 2000770511 |

A = Diameter body / B = Neck i.d. / C = Cap size o.d. / D = Height without closure

\*Packaging unit/minimum ordering quantity

### Closures for narrow neck bottle series 301 and series 302 LDPE

| for bottle nom. cap. ml | C mm | 1 Order no. | 2 Order no. | 3 Order no. | 4 Order no. |
|-------------------------|------|-------------|-------------|-------------|-------------|
| 10/20/30                | 14   | 2000072102  | 2000073350  | -           | 2000090603  |
| 50                      | 18   | 2000072101  | 2000073350  | -           | 2000090604  |
| 100                     | 18   | 2000072101  | 2000073350  | 2000095991  | 2000090604  |
| 200                     | 18   | 2000072101  | 2000073350  | 2000095991  | 2000090604  |
| 250                     | 25   | 2000072100  | 2000073350  | 2000090618  | 2000090605  |
| 500                     | 25   | 2000072100  | 2000073350  | 2000095993  | 2000090605  |
| 1,000                   | 28   | 2000072103  | 2000073350  | 2000090619  | 2000090606  |
| 2,000                   | 28   | 2000072103  | 2000073350  | 2000095994  | 2000090606  |

Packed in PE bag of 100 pcs.



Our product video

## Wide neck bottle series 303 LDPE

Wide neck  
Easy to fill  
Easy to clean  
Leakproof

Round | Natural colour | With closure



| Nominal capacity ml | A mm | B mm | C mm | D mm | Mould no. | No. of pcs. per case* | No. of pcs. per packg.** | Order no.  |
|---------------------|------|------|------|------|-----------|-----------------------|--------------------------|------------|
| 50                  | 39   | 23.8 | 32   | 76   | 303-50    | 650                   | 50                       | 2000770528 |
| 100                 | 48   | 23.8 | 32   | 93.5 | 303-100   | 480                   | 20                       | 2000770529 |
| 200                 | 59   | 30.8 | 40   | 114  | 303-200   | 300                   | 10                       | 2000770530 |
| 250                 | 64   | 30.8 | 40   | 120  | 303-250   | 260                   | 10                       | 2000770531 |
| 300                 | 67.5 | 30.8 | 40   | 128  | 303-300   | 180                   | 10                       | 2000770532 |
| 500                 | 77   | 39.2 | 50   | 154  | 303-500   | 130                   | 10                       | 2000770533 |
| 750                 | 88   | 39.2 | 50   | 173  | 303-750   | 90                    | 5                        | 2000770534 |
| 1,000               | 95   | 50   | 65   | 205  | 303-1000  | 56                    | 4                        | 2000770535 |
| 1,500               | 108  | 50   | 65   | 226  | 303-1500  | 40                    | 4                        | 2000770536 |
| 2,000               | 120  | 50   | 65   | 247  | 303-2000  | 33                    | -                        | 2000770537 |

### Screw closure LDPE (substitute)

| For bottle nominal capacity ml | C mm | Order no.  |
|--------------------------------|------|------------|
| 50<br>100                      | 32   | 2000090607 |
| 200<br>250<br>300              | 40   | 2000090608 |
| 500<br>750                     | 50   | 2000090609 |
| 1,000<br>1,500<br>2,000        | 65   | 2000090610 |

A = Diameter body / B = Neck i.d. / C = Cap size o.d. / D = Height without closure

\*Packaging unit/minimum ordering quantity \*\*Subpackaging = quantity packed in extra foil (for further information on subpackaging see page 4)



Suitable for food.



Ideal for liquids, pastes and granulates.



Halal certified.



"Recycling symbol" in accordance with Directive 97/129/EC and 94/62/EC.



# Wide neck bottle series 303 PP

- Autoclavable up to 121°C
- Hot filled products
- Pastes
- Granulates
- Leakproof



| Nominal capacity ml | A mm | B mm | C mm | D mm | Mould no. | No. of pcs. per case* | No. of pcs. per packg.** | Order no.  |
|---------------------|------|------|------|------|-----------|-----------------------|--------------------------|------------|
| 100                 | 48.5 | 24.3 | 32   | 94   | 303-100   | 480                   | 20                       | 2000783856 |
| 250                 | 64.5 | 30.9 | 40   | 121  | 303-250   | 260                   | 10                       | 2000783859 |
| 500                 | 77.5 | 39.9 | 50   | 155  | 303-500   | 130                   | 10                       | 2000783852 |
| 1,000               | 96   | 50.8 | 65   | 205  | 303-1000  | 56                    | 4                        | 2000783855 |

A = Diameter body / B = Neck i.d. / C = Cap size o.d. / D = Height without closure  
\*Packaging unit/minimum ordering quantity \*\*Subpackaging = quantity packed in extra foil (for further information on subpackaging see page 4)

| Screw closure PP (substitute)  |      |            |
|--------------------------------|------|------------|
| For bottle nominal capacity ml | C mm | Order no.  |
| 100                            | 32   | 2000093789 |
| 250                            | 40   | 2000093792 |
| 500                            | 50   | 2000093791 |
| 1.000                          | 65   | 2000093790 |

Packed in PE bag of 100 pcs.

 Suitable for food.

 Halal certified.

 "Recycling symbol" in accordance with Directive 97/129/EC and 94/62/EC.

Note: Before autoclaving screw off the closure and place it upside down on the bottle.



Round | Natural colour

## Wide neck wash bottle series 303 LDPE

Printed-on hazard symbols  
Abrasion-resistant printing  
Sliding delivery tube

Printed-on hazard symbols

Substances of content in  
German, English, French

Our product video



| Nominal capacity ml                                                             | A mm | B mm | C mm | D mm | Mould no. | No. of pcs. per case* | No. of pcs. per packg.** | Order no.  |
|---------------------------------------------------------------------------------|------|------|------|------|-----------|-----------------------|--------------------------|------------|
| ACETONE, ACETONE, with included wash bottle closure LDPE, cap red               |      |      |      |      |           |                       |                          |            |
| 500                                                                             | 77   | 39.2 | 50   | 154  | 303-500   | 100                   | 10                       | 2000770025 |
| ETHANOL, with included wash bottle closure LDPE, cap green                      |      |      |      |      |           |                       |                          |            |
| 500                                                                             | 77   | 39.2 | 50   | 154  | 303-500   | 100                   | 10                       | 2000770021 |
| ISOPROPANOL, 2-PROPANOL, with included wash bottle closure LDPE, cap yellow     |      |      |      |      |           |                       |                          |            |
| 500                                                                             | 77   | 39.2 | 50   | 154  | 303-500   | 100                   | 10                       | 2000770022 |
| METHANOL, with included wash bottle closure LDPE, cap orange                    |      |      |      |      |           |                       |                          |            |
| 500                                                                             | 77   | 39.2 | 50   | 154  | 303-500   | 100                   | 10                       | 2000770023 |
| DISTILLED WATER, EAU DESTILLE, with included wash bottle closure LDPE, cap blue |      |      |      |      |           |                       |                          |            |
| 500                                                                             | 77   | 39.2 | 50   | 154  | 303-500   | 100                   | 10                       | 2000770024 |
| UNPRINTED – please order your choice of wash bottle closure separately          |      |      |      |      |           |                       |                          |            |
| 500                                                                             | 77   | 39.2 | 50   | 154  | 303-500   | 100                   | 10                       | 2000770024 |

A = Diameter body / B = Neck i.d. / C = Cap size o.d. / D = Height without closure

\*Packaging unit/minimum ordering quantity

\*\*Subpackaging = quantity packed in extra foil (for further information on subpackaging see page 4)

| Wash bottle closure |            |            |
|---------------------|------------|------------|
| Farbe               | Pcs./ bag* | Order no.  |
| Green               | 10         | 2000093937 |
| Yellow              | 10         | 2000093935 |
| Orange              | 10         | 2000094068 |
| Blue                | 10         | 2000093936 |
| Red                 | 10         | 2000093938 |

\*\*Subpackaging = quantity packed in extra foil



Suitable for the declared liquid, please contact us for further information on food suitability.  
Completely emptied by sliding delivery tube, even when inverted.

### Safety:

If the delivery tube is raised above the liquid surface then temperature variations will not cause liquid to escape.  
Tip with safety tubing.



Halal certified.



"Recycling symbol" in accordance with Directive 97/129/EC and 94/62/EC.

Printed-on hazard symbols and substances of content, with memo field

Tube natural colour

Delivered with blue protective tube



## Wide neck bottle series 303 LDPE

For light sensitive materials  
Protection against UV-light-transmission  
Wide neck easy to fill  
Leakproof

Round | Brown colour | With closure

Our product video



| Nominal capacity ml | A mm | B mm | C mm | D mm | Mould no. | No. of pcs. per case* | No. of pcs. per packg.** | Order no.  |
|---------------------|------|------|------|------|-----------|-----------------------|--------------------------|------------|
| 50                  | 39   | 23.8 | 32   | 76   | 303-50    | 650                   | 50                       | 2000784583 |
| 100                 | 48   | 23.8 | 32   | 93.5 | 303-100   | 480                   | 20                       | 2000784584 |
| 250                 | 64   | 30.8 | 40   | 120  | 303-250   | 260                   | 10                       | 2000784585 |
| 500                 | 77   | 39.2 | 50   | 154  | 303-500   | 130                   | 10                       | 2000784586 |
| 1,000               | 95   | 50   | 65   | 205  | 303-1000  | 56                    | 4                        | 2000784587 |

A = Diameter body / B = Neck i.d. / C = Cap size o.d. / D = Height without closure

\*Packaging unit/minimum ordering quantity \*\*Subpackaging = quantity packed in extra foil (for further information on subpackaging see page 4)

### Screw closure LDPE, brown (substitute)

| For bottle nominal capacity ml | C mm | Order no.  |
|--------------------------------|------|------------|
| 50                             | 32   | 2000794579 |
| 100                            | 32   | 2000794580 |
| 250                            | 40   | 2000094578 |
| 500                            | 50   | 2000794577 |
| 1,000                          | 65   | 2000794576 |

Packed in PE bag of 100 pcs.



Suitable for food.



Halal certified.



Ideal for high-viscosity media, powders, granulates and pastes.



Leakproof.



The wide neck opening means that the bottles are easy to fill and clean.



"Recycling symbol" in accordance with Directive 97/129/EC and 94/62/EC.



## Medium neck bottle series 307 HDPE

Embossed contents scale

Easy to fill

Easy to clean

Leakproof

Round | Natural colour | With closure



With graduation

| Nominal capacity ml | A mm | B mm | C mm | D mm  | Mould no. | No. of pcs. per case* | No. of pcs. per pkg.** | Order no.  |
|---------------------|------|------|------|-------|-----------|-----------------------|------------------------|------------|
| 100                 | 46   | 19   | 25   | 99.5  | 307-100   | 480                   | 20                     | 2000770066 |
| 250                 | 61   | 24   | 28   | 129.5 | 307-250   | 250                   | 10                     | 2000770067 |
| 500                 | 77   | 30.8 | 40   | 161   | 307-500   | 140                   | 10                     | 2000770070 |
| 1,000               | 97   | 39.2 | 50   | 203   | 307-1000  | 64                    | 4                      | 2000770073 |

Screw closure PP, natural colour (substitute)

| For bottle nominal capacity ml | C mm | Order no.  |
|--------------------------------|------|------------|
| 100                            | 25   | 2000794398 |
| 250                            | 28   | 2000794542 |
| 500                            | 40   | 2000093792 |
| 1,000                          | 50   | 2000093791 |

Packed in PE bag of 100 pcs.

A = Diameter body / B = Neck i.d. / C = Cap size o.d. / D = Height without closure

\*Packaging unit/minimum ordering quantity \*\*Subpackaging = quantity packed in extra foil (for further information on subpackaging see page 4)

Please contact us for further information on food suitability.

✓ Halal certified.

Multi-purpose bottles for laboratories and industry.

The neck opening means that the bottles are easy to fill and clean.

PP screw closure.

"Recycling symbol" in accordance with Directive 97/129/EC and 94/62/EC.



# High shoulder bottle series 302 LDPE

High narrow shape  
Easy handling  
Leakproof

Round | Natural colour



| Nominal capacity ml | A mm | B mm | C mm | D mm | Mould no. | No. of pcs. per case* | No. of pcs. per packg.** | Order no.  |
|---------------------|------|------|------|------|-----------|-----------------------|--------------------------|------------|
| 50                  | 36.5 | 12.9 | 18   | 82   | 302-50    | 900                   | 150                      | 2000070512 |
| 100                 | 44.5 | 12.9 | 18   | 98.5 | 302-100   | 420                   | 70                       | 2000070513 |
| 500                 | 75.5 | 19   | 25   | 160  | 302-500   | 124                   | -                        | 2000070515 |
| 1,000               | 95   | 21.5 | 28   | 196  | 302-1000  | 72                    | -                        | 2000070517 |

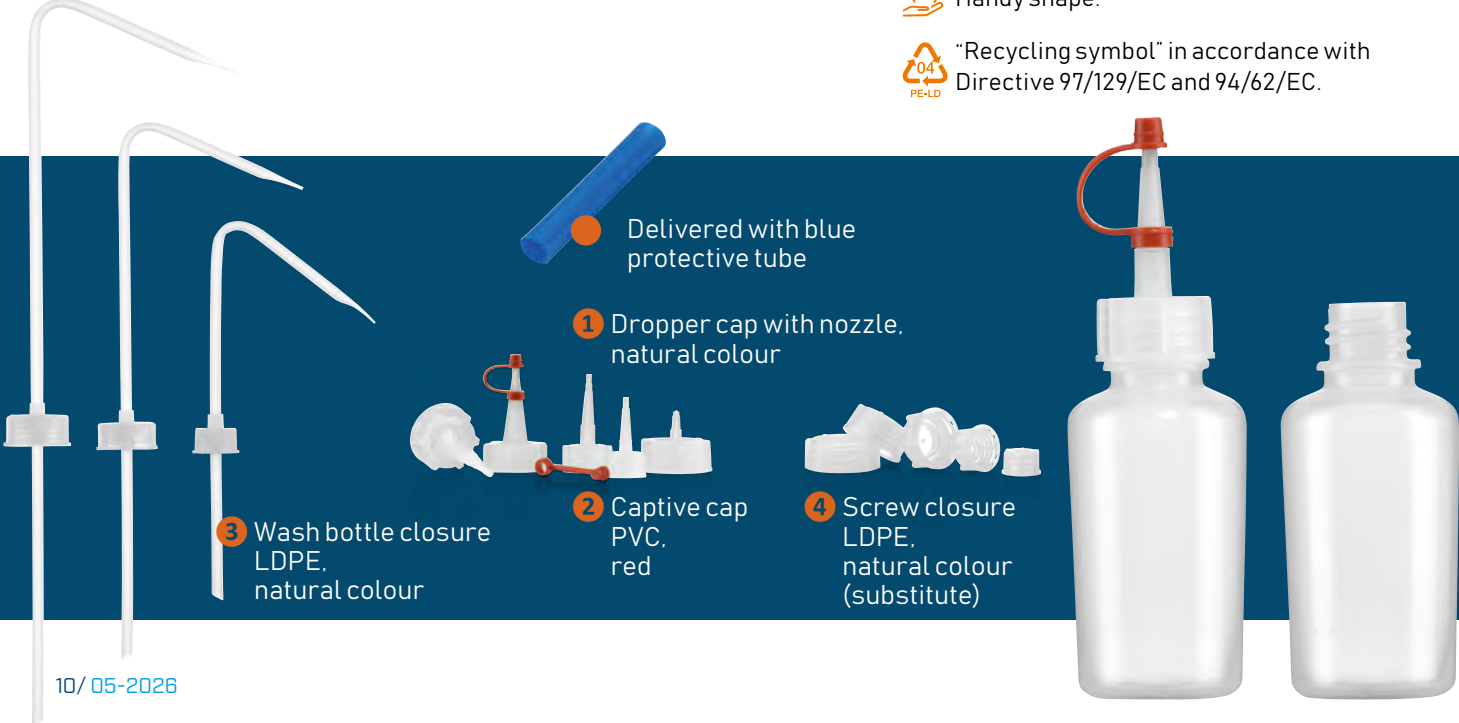
A = Diameter body / B = Neck i.d. / C = Cap size o.d. / D = Height without closure  
\*Packaging unit/minimum ordering quantity \*\*Subpackaging = quantity packed in extra foil (for further information on subpackaging see page 4)

| Nominal capacity ml | C mm | 1 Order no. | 2 Order no. | 3 Order no. | 4 Order no. |
|---------------------|------|-------------|-------------|-------------|-------------|
| 50                  | 18   | 2000072101  | 2000073350  | -           | 2000090604  |
| 100                 | 18   | 2000072101  | 2000073350  | 2000095991  | 2000090604  |
| 500                 | 25   | 2000072100  | 2000073350  | 2000095993  | 2000090605  |
| 1,000               | 28   | 2000072103  | 2000073350  | 2000090619  | 2000090606  |

-  Suitable for food.
-  Halal certified.
-  Three types of closures for different applications.
-  Ideal for liquids.
-  Handy shape.

 "Recycling symbol" in accordance with Directive 97/129/EC and 94/62/EC.

Packed in PE bag of 100 pcs.



Round bottle  
series 308 HDPE

Stable and handy shape  
Hinged lid closure  
For single-handed use



| Nominal capacity ml | A mm | B mm | C mm | D mm  | Mould no. | No. of pcs. per case* | No. of pcs. per packg.** | Order no.  |
|---------------------|------|------|------|-------|-----------|-----------------------|--------------------------|------------|
| 50                  | 32   | 17   | 22   | 86    | 308-239   | 900                   | 150                      | 2000076399 |
| 100                 | 41   | 17   | 22   | 108.5 | 308-142   | 792                   | -                        | 2000073084 |
| 250                 | 56   | 17   | 22   | 135.5 | 308-143   | 324                   | -                        | 2000073085 |
| 500                 | 70   | 19.4 | 25   | 173   | 308-144   | 148                   | -                        | 2000073086 |
| 1,000               | 89   | 19.4 | 25   | 211.5 | 308-145   | 72                    | -                        | 2000073087 |

| Hinged lid closure PP, white   |      |            |
|--------------------------------|------|------------|
| For bottle nominal capacity ml | C mm | Order no.  |
| 50<br>100<br>250               | 22   | 2000073182 |
| 500<br>1,000                   | 25   | 2000073089 |

A = Diameter body / B = Neck i.d. / C = Cap size o.d. / D = Height without closure  
\*Packaging unit/minimum ordering quantity  
\*\*Subpackaging = quantity packed in extra cardboard box

 Suitable for food.

 Halal certified.

 Ideal for cosmetic products, e.g. emulsions, shampoos, shower gels, creams and as a refill packaging.

 "Recycling symbol" in accordance with Directive 97/129/EC and 94/62/EC.



## Round bottle series 321 “Variopack” dual CoEx

Special packaging  
Barrier layer  
Leakproof



Guide regarding packaging  
produced using the  
co-extrusion blow  
molding process



Not suitable for food.



Halal certified.



“Recycling symbol” in accordance with Directive 97/129/EC and 94/62/EC.

High-quality packaging with barrier layer of polyamide for highly volatile or intense smelling media with high permeation rates.

Barrier layer  
Bonding agent  
Exterior wall HDPE



Our product video



With PA barrier layer | White



| Nominal capacity ml | A mm | B mm | C mm | D mm  | Weight g | Mould no. | No. of pcs. per case | Order no.  |
|---------------------|------|------|------|-------|----------|-----------|----------------------|------------|
| 250                 | 62.5 | 42   | 50   | 131.3 | 30       | 321243 B  | 252                  | 2000086710 |
| 500                 | 69   | 42   | 50   | 186.5 | 45       | 321242 B  | 152                  | 2000086711 |
| 1,000               | 88.5 | 42   | 50   | 234   | 110      | 321217 C  | 80                   | 2000086712 |

A = Diameter body / B = Neck i.d. / C = Cap size o.d. / D = Height without closure  
\*Packaging unit/minimum ordering quantity

Closure HDPE, white, with EPE PA wad and tamper evident ring

| For bottle nominal capacity ml | C mm | No. of pcs. per case* | Order no.  |
|--------------------------------|------|-----------------------|------------|
| 250 to 1,000                   | 50   | 800                   | 2000086734 |





# Dropping bottle series 302 HDPE

Dropping tip closure  
Separate screw closure  
Resealable



Our product video

Round | Natural colour



| Nominal capacity ml | A mm | B mm | C mm | D mm | Mould no. | No. of pcs. per case* | No. of pcs. per packg.** | Order no.  |
|---------------------|------|------|------|------|-----------|-----------------------|--------------------------|------------|
| 10                  | 24   | 12.7 | 18   | 50   | 302-21A   | 4,000                 | 100                      | 2000099529 |
| 25                  | 31.3 | 12.7 | 18   | 64.5 | 302-16E   | 2,000                 | 100                      | 2000092676 |
| 50                  | 40   | 12.7 | 18   | 77   | 302-12D   | 900                   | 100                      | 2000081015 |

Combination closure LDPE/PP, with screw-on dropping tip

| For bottle nominal capacity ml | C mm | Order no.  | No. of pcs. per case |
|--------------------------------|------|------------|----------------------|
| 10/25/50                       | 18   | 2000083700 | 3,000                |

A = Diameter body / B = Neck i.d. / C = Cap size o.d. / D = Height without closure  
\*Packaging unit/minimum ordering quantity \*\*Subpackaging = quantity packed in extra foil



Not suitable for food.



Halal certified.



Stable and handy shape.



Suitable for adhesives and many other products.



“Recycling symbol” in accordance with Directive 97/129/EC and 94/62/EC.



## Narrow neck bottle series 310 HDPE

Square cross-section  
Recessed labelling field  
Leakproof

Our product video



Square | Natural colour | White



The bottles are suitable for food, please contact us for further information on food suitability of the closures.



Halal certified.



Five different types of closures available.



Ideal for liquids.



"Recycling symbol" in accordance with Directive 97/129/EC and 94/62/EC.

| Nominal capacity ml | A mm      | B mm | C mm | D mm | Mould no. | No. of pcs. per case* | Order no. natural colour | Order no. white |
|---------------------|-----------|------|------|------|-----------|-----------------------|--------------------------|-----------------|
| 100                 | 45 x 45   | 17   | 32   | 108  | 310-53 A  | 544                   | 2000083970               | 2000084000      |
| 250                 | 60 x 60   | 17   | 32   | 136  | 310-54 A  | 247                   | 2000083971               | 2000083994      |
| 500                 | 74 x 74   | 17   | 32   | 170  | 310-55 A  | 122                   | 2000083972               | 2000083991      |
| 1,000               | 85 x 85   | 17   | 32   | 221  | 310-56 A  | 72                    | 2000083973               | 2000083992      |
| 2,500               | 122 x 122 | 28   | 45   | 272  | 310-57 E  | 27                    | 2000071149               | 2000082553      |

A = Diameter body / B = Neck i.d. / C = Cap size o.d. / D = Height without closure

\*Packaging unit/minimum ordering quantity

### Screw closures PP

| For bottle nominal capacity ml | C mm | 1<br>Order no. | 2<br>Order no. | 3*<br>Order no. | 4*<br>Order no. | 5<br>Order no. |
|--------------------------------|------|----------------|----------------|-----------------|-----------------|----------------|
| 100 to 1,000                   | 32   | 2000084006     | 2000083951     | 2000084200      | 2000084201      | 2000085590     |
| 2,500                          | 45   | -              | 2000076305     | -               | -               | -              |

\*The closures of the push-turn system are not certified according to ISO 8317:2015 and are therefore not approved for such applications.

blue, with tamper evident ring and conical seal

red, with tamper evident ring and PE-foam wad



white/red, push and turn closure\*, with tamper evident ring, conical seal and degassing membrane



Our product video



Natural colour

| Nominal capacity ml | A mm    | B mm | C mm | D mm | Mould no. | No. of pcs. per case* | Order no. natural colour |
|---------------------|---------|------|------|------|-----------|-----------------------|--------------------------|
| 50                  | 40 x 40 | 18.6 | 32   | 79   | 310-143   | 850                   | 2000085937               |
| 100                 | 46 x 46 | 18.6 | 32   | 108  | 310-144   | 450                   | 2000085938               |
| 250                 | 60 x 60 | 18.6 | 32   | 136  | 310-145   | 234                   | 2000085939               |
| 500                 | 75 x 75 | 18.6 | 32   | 169  | 310-146   | 150                   | 2000085940               |

A = Diameter body / B = Neck i.d. / C = Cap size o.d. / D = Height without closure

\*Packaging unit/minimum ordering quantity

Screw closure PP, blue, with PTFE liner and tamper evident ring

| For bottle nominal capacity ml | C mm | Order no.  |
|--------------------------------|------|------------|
| 50 to 500                      | 32   | 2000085941 |

## Narrow neck bottle “SafeGrip” series 310 HDPE

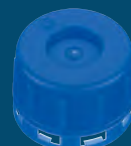
Square shape  
Safe and comfortable handling  
Leakproof



The bottles are suitable for food. Please contact us for further information on food suitability of the closures.



Halal certified.



The neck of this bottle series has been adapted to the standard glass closure GL 32.



“Recycling symbol” in accordance with Directive 97/129/EC and 94/62/EC.



# UN narrow neck bottle series 308/310 HDPE

UN approval  
For hazardous liquids  
Three different types of closures  
GL 45 neck  
Leakproof

Our product video



Natural colour | Black

UN approved for liquids

UN Narrow neck bottle series 308/310 HDPE, natural colour and black

| Nominal capacity ml | A mm      | B mm | C mm | D mm  | Weight g | Mould no. | No. of pcs. per case* | UN approval     | Order no. natural colour | Order no. black |
|---------------------|-----------|------|------|-------|----------|-----------|-----------------------|-----------------|--------------------------|-----------------|
| 500                 | 77 x 77   | 28.7 | 45   | 176.5 | 52       | 308-257   | 120                   | UN 1H1/X1.9/250 | 2000084464               | 2000770096      |
| 1,000               | 96 x 96   | 28.7 | 45   | 211.8 | 88       | 310-135   | 64                    | UN 3H1/X1.9/250 | 2000084152               | 2000770097      |
| 2,500               | 127 x 127 | 28.7 | 45   | 282   | 167      | 310-136   | 26                    | UN 3H1/X1.9/250 | 2000084153               | 2000084486      |

A = Diameter body / B = Neck i.d. / C = Cap size o.d. / D = Height without closure \*Packaging unit/minimum ordering quantity

 The bottles are suitable for food, please contact us for further information on food suitability of the closures.

 Halal certified.

 Narrow neck bottles with UN approval for liquids.

 Recessed labelling field with bottle sizes 1,000 and 2,500 ml.

 "Recycling symbol" in accordance with Directive 97/129/EC and 94/62/EC.



Guide regarding UN packaging

Bottle includes a dust cap to avoid contamination before filling.

Dispose of dust cap prior to capping.





Our product video

## UN narrow neck bottle series 310 "SafeGrip"

Natural colour | Black



Please note:  
The UN approvals can be requested here:  
[Sales.STVP@kautex.com](mailto:Sales.STVP@kautex.com).  
The approvals are only valid with the closures offered on this page.

UN approved for liquids

Narrow neck bottle series 310 "SafeGrip" HDPE, natural colour and black

| Nominal capacity ml | A mm      | B mm | C mm | D mm | Weight g | Mould no. | No. of pcs. per case* | UN approval     | Order no. natural colour | Order no. black |
|---------------------|-----------|------|------|------|----------|-----------|-----------------------|-----------------|--------------------------|-----------------|
| 2,500               | 127 x 127 | 28.7 | 45   | 294  | 190      | 310-137   | 25                    | UN 3H1/X1.9/250 | 2000085405               | 2000085681      |

A = Diameter body / B = Neck i.d. / C = Cap size o.d. / D = Height without closure \*Packaging unit/minimum ordering quantity

Optimized handle for safe and comfortable handling.

Due to the increased size of the handle this new product guarantees stability and security in handling dangerous media with a high specific weight.

## Closures for UN narrow neck bottle series 308/310 HDPE & UN narrow neck bottle series 310 "SafeGrip"

| For bottle nominal capacity ml | C mm | <sup>1</sup> Order no. | <sup>2</sup> Order no. | <sup>3</sup> Order no. |
|--------------------------------|------|------------------------|------------------------|------------------------|
| 500 to 2,500                   | 45   | 2000984183             | 2000084162             | 2000084182             |
| No. of pcs. per case           |      | 450                    | 350                    | 350                    |

The bottles are suitable for food, please contact us for further information on food suitability of the closures.

Blister closure PP, black, with tamper evident ring PP, red and PTFE seal



Screw closure HDPE, black, with tamper evident ring and PTFE seal

Blister closure PP, red, with tamper evident ring PP, red, with venting system and perforated PTFE seal, transport bottle in an upright position



## UN-wide neck bottle series 310 HDPE

Square cross-section  
Recessed labelling field  
Three different types of closures available  
Leakproof

Our product video



Square | Natural colour | White

With UN approval for solids\*.  
The approvals are only valid  
with the closures offered here.

\*Except nominal capacities  
50 ml and 350 ml

**UN approved for solids**

| Nominal capacity ml | A mm      | B mm | C mm | D mm  | Mould no. | No. of pcs. per case* | UN approval   | Order no. natural colour | Order no. white |
|---------------------|-----------|------|------|-------|-----------|-----------------------|---------------|--------------------------|-----------------|
| 50                  | 36 x 36   | 21.4 | 28   | 88.5  | 310-115   | 700                   | -             | 2000076398               | 2000084193      |
| 100                 | 45 x 45   | 24   | 32   | 101   | 310-88    | 612                   | UN 3H1/X0.3/S | 2000073094               | 2000079206      |
| 250                 | 59 x 59   | 35   | 45   | 129.5 | 310-86    | 273                   | UN 3H1/X0.8/S | 2000073095               | 2000079207      |
| 350                 | 60 x 60   | 35   | 45   | 164   | 310-46    | 190                   | -             | 2000071138               | -               |
| 500                 | 75 x 75   | 42.5 | 54   | 162   | 310-89    | 124                   | UN 3H1/X1.5/S | 2000073096               | 2000079209      |
| 750                 | 83 x 83   | 42.5 | 54   | 188   | 310-48    | 90                    | UN 3H1/X2.5/S | 2000071140               | 2000079210      |
| 1,000               | 85 x 85   | 42.5 | 54   | 214   | 310-85    | 81                    | UN 3H1/X2.5/S | 2000073097               | 2000079211      |
| 1,500               | 108 x 108 | 68.5 | 80   | 209   | 310-93    | 42                    | UN 3H1/X4/S   | 2000073624               | 2000079212      |
| 2,500               | 122 x 122 | 68.5 | 80   | 260   | 310-51    | 27                    | UN 3H1/X5/S   | 2000071143               | 2000079213      |
| 4,000               | 142 x 142 | 68.5 | 80   | 294   | 310-52    | 15                    | UN 3H1/X5.5/S | 2000071144               | 2000079214      |

A = Diameter body / B = Neck i.d. / C = Cap size o.d. / D = Height without closure

\*Packaging unit/minimum ordering quantity



Guide regarding  
UN packaging





Closures for wide neck bottles series 310

| For bottle nominal capacity ml | C mm | <sup>1</sup> Order no. | Packaging Unit | <sup>2</sup> Order no. | Packaging Unit | <sup>3</sup> Order no. | Packaging Unit | <sup>4</sup> Order no. |
|--------------------------------|------|------------------------|----------------|------------------------|----------------|------------------------|----------------|------------------------|
| 50                             | 28   | -                      | -              | 2000976304             | 2,000          | 2000084198             | 2,000          | -                      |
| 100                            | 32   | 2000971152             | 3,000          | 2000073826             | -              | 2000083761             | 1,800          | 2000085102             |
| 250/350                        | 45   | 2000971153             | 1,200          | 2000076306             | 800            | 2000083783             | 800            |                        |
| 500/750/1,000                  | 54   | 2000971898             | 700            | 2000073199             | 550            | 2000083691             | 550            |                        |
| 1,500/2,500/4,000              | 80   | 2000971155             | 300            | 2000073775             | 210            | 2000083762             | 210            |                        |

- Suitable for food.
- Halal certified.
- The wide neck opening means that the bottles are easy to fill and clean.
- Ideal for liquids, pastes, granulates and powders.
- "Recycling symbol" in accordance with Directive 97/129/EC and 94/62/EC.



## Narrow neck bottle series 310 "ClearGrip" PP

Low weight  
Stiffness  
Impact resistance  
Easily recyclable  
Leakproof

Our product video



Transparent PP



| Nominal capacity ml | A mm    | B mm | C mm | D mm | Mould no. | No. of pcs. per case* | Order no.  |
|---------------------|---------|------|------|------|-----------|-----------------------|------------|
| 100                 | 46 x 46 | 18.6 | 32   | 108  | 310 148   | 512                   | 2000086456 |
| 250                 | 60 x 60 | 18.6 | 32   | 136  | 310 149   | 247                   | 2000086457 |
| 500                 | 75 x 75 | 28.6 | 45   | 169  | 310 150   | 132                   | 2000086458 |
| 1,000               | 94 x 94 | 28.6 | 45   | 204  | 310 151   | 64                    | 2000086459 |

A = Diameter body / B = Neck i.d. / C = Cap size o.d. / D = Height without closure

\*Packaging unit/minimum ordering quantity

Screw closure PP, white for 32 mm thread and HDPE black for 45 mm thread; with PTFE-insert and tamper evident ring

| For bottle nominal capacity ml | C mm | No. of pcs. per case | Order no.  |
|--------------------------------|------|----------------------|------------|
| 100 to 250                     | 32   | 1,200                | 2000086336 |
| 500 to 1,000                   | 45   | 450                  | 2000984183 |



Suitable for food.



Halal certified.



Low carbon footprint, easily recyclable.



Good transparency and glaze (ideal for product presentations).



Low weight, outstanding chemical resistance and thermal stability, balanced stiffness and impact resistance.



"Recycling symbol" in accordance with Directive 97/129/EC and 94/62/EC.



## Narrow neck bottle series 310 PVC

Crystal clear  
Secure grip  
Leakproof

Rectangular | Transparent



| Nominal capacity ml | A mm      | B mm | C mm | D mm  | Mould no | No. of pcs. per case* | Order no.  |
|---------------------|-----------|------|------|-------|----------|-----------------------|------------|
| 250                 | 59 x 38   | 19.9 | 25   | 151.5 | 310-63   | 390                   | 2000071490 |
| 500                 | 70 x 50   | 19.9 | 25   | 189   | 310-19   | 194                   | 2000071106 |
| 1,000               | 87.5 x 61 | 19.9 | 25   | 233   | 310-20   | 106                   | 2000071107 |

A = Diameter body / B = Neck i.d. / C = Cap size o.d. / D = Height without closure

\*Packaging unit/minimum ordering quantity

### Closures

| For bottle nominal capacity ml | C mm | <sup>1</sup> Order no. | <sup>2</sup> Order no. |
|--------------------------------|------|------------------------|------------------------|
| 250 to 1,000                   | 25   | 2000971704             | 2000074185             |
| No. of pcs. per case           |      | 2,300                  | 2,400                  |

<sup>1</sup> Compression moulded closure, melamine, white, with PE-foam insert

<sup>2</sup> Screw closure PP, with nozzle, white



Suitable for food.



Halal certified.



Crystal clear presentation of your product.



Ribbed sides for secure grip.



"Recycling symbol" in accordance with Directive 97/129/EC and 94/62/EC.



# Post-Consumer-Recycling

The German Packaging Act (VerpackG), the Plastic strategy of the EU, the PPWR in the Green Deal and the plastic tax are all initiatives and guidelines with a focus on promoting the circular economy. The aim is both to increase the recycling rate and the recyclate use. We also want to make our contribution and help contribute to the promotion of the circular economy.



Methodology of  
EcoVadis recognition



## What drives us?



### Environment protection

The circular economy enables a more efficient use of raw materials. This leads to a reduction of CO<sub>2</sub>-emissions and to a reduced usage of mineral oil.



### Scarcity of resources

Since our resources are limited, and demand continues to rise due to a growing world population the circular economy offers a significant contribution to the reduction of plastic waste.

## We give plastic packaging a second life.





# PCR

## Your benefits!



### Strong external impact

A sustainably produced packaging offers a great potential for effective sustainable marketing.



### Cost reduction

By using PCR material, disposal costs are reduced and the plastic tax can be avoided.

## Our Experience!



### Test facility

with retrieval system, presses, transport and manufacturing.



### Quality standards

Quality assurance through extended inspection plans.



### Continuous contact

with recycle manufacturers for maximum product quality.

You are interested in one of our standard PCR products? Our sales team will be happy to answer your questions.

+49 (0)228 9868-100

[sales.ip@kautex.com](mailto:sales.ip@kautex.com)



**Sustainable packaging solution at the same high quality:**

For our customer Kiehl we manufacture the 5 l jerrycan from 100 % PCR-HDPE material in serial production.



# Narrow neck bottle series 310 HDPE

- High stability
- Recessed labelling field
- Four different types of closures
- Leakproof

-  Suitable for food.
-  Halal certified.
-  Ribbed sides for secure grip.
-  Four different types of closures (can also be used with wash bottle closure, see page 4).
-  "Recycling symbol" in accordance with Directive 97/129/EC and 94/62/EC.



| Nominal capacity ml | A mm        | B mm | C mm | D mm  | Mould no. | No. of pcs. per case* | No. of pcs. per packg.** | Order no.  |
|---------------------|-------------|------|------|-------|-----------|-----------------------|--------------------------|------------|
| 100                 | 40.5 x 32   | 12.9 | 18   | 110.5 | 310-100   | 648                   | 108                      | 2000070520 |
| 250                 | 53.5 x 42.5 | 19   | 25   | 148   | 310-250   | 381                   | -                        | 2000070521 |
| 500                 | 63.5 x 54.5 | 19   | 25   | 180   | 310-500   | 205                   | -                        | 2000070522 |
| 1,000               | 84 x 66     | 19   | 25   | 222.5 | 310-1000  | 108                   | -                        | 2000070523 |

A = Diameter body / B = Neck i.d. / C = Cap size o.d. / D = Height without closure  
\*Packaging unit/minimum ordering quantity  
\*\*Subpackaging = quantity packed in extra cardboard box

## Closures

| For bottle nominal capacity ml | C mm | 1 Order no. | 2 Order no. | 3 Order no. |
|--------------------------------|------|-------------|-------------|-------------|
| 100                            | 18   | 2000090604  | 2000072101  | 2000073350  |
| 250 to 1,000                   | 25   | 2000090605  | 2000072100  | 2000073350  |



# Wide neck bottle series 310 HDPE

- Easy filling
- Secure grip
- Rectangular labelling field
- Leakproof

Rectangular | Natural colour



| Nominal capacity ml | A mm        | B mm | C mm | D mm  | Mould no. | No. of pcs. per case* | Order no.  |
|---------------------|-------------|------|------|-------|-----------|-----------------------|------------|
| 250                 | 59 x 59     | 30.8 | 40   | 110.5 | 310W-250  | 294                   | 2000070538 |
| 500                 | 69 x 69     | 30.8 | 40   | 145.5 | 310W-500  | 164                   | 2000070539 |
| 1,000               | 86.5 x 86.5 | 39.2 | 50   | 178.5 | 310W-1000 | 90                    | 2000070540 |

A = Diameter body / B = Neck i.d. / C = Cap size o.d. / D = Height without closure  
 \*Packaging unit/minimum ordering quantity

| Screw closure LDPE, natural colour |      |            |
|------------------------------------|------|------------|
| For bottle nominal capacity ml     | C mm | Order no.  |
| 250/500                            | 40   | 2000090608 |
| 1,000                              | 50   | 2000090609 |

Packed in PE bag of 100 pcs.



-  Suitable for food.
-  Halal certified.
-  The wide neck means easy filling, emptying and cleaning.
-  Ribbed sides for secure grip.
-  "Recycling symbol" in accordance with Directive 97/129/EC and 94/62/EC.

## Wide neck container series 310 PVC

Wide neck opening  
Easy to fill  
Easy to clean  
Leakproof

Our product video



Square | Transparent | Brown-transparent



| Nominal capacity ml | A mm        | B mm | C mm | D mm | Mould no. | No. of pcs. per case* | No. of pcs. per packg.** | Order no. transparent | Order no. brown-transparent |
|---------------------|-------------|------|------|------|-----------|-----------------------|--------------------------|-----------------------|-----------------------------|
| 50                  | 38.5 x 38.5 | 23   | 32   | 59   | 310-26    | 972                   | 162                      | 2000070595            | 2000070697                  |
| 100                 | 46 x 46     | 31   | 40   | 71   | 310-27    | 480                   | 80                       | 2000070596            | 2000070698                  |
| 200                 | 59.5 x 59.5 | 41   | 50   | 87   | 310-28    | 406                   | -                        | 2000070597            | 2000070699                  |
| 300                 | 67.5 x 67.5 | 41   | 50   | 94   | 310-42    | 300                   | -                        | 2000071080            | 2000071081                  |
| 500                 | 80.5 x 80.5 | 54   | 65   | 108  | 310-31    | 162                   | -                        | 2000070598            | 2000070700                  |
| 750                 | 91.5 x 91.5 | 69   | 80   | 120  | 310-43    | 114                   | -                        | 2000071082            | 2000071083                  |
| 1,000               | 97 x 97     | 69   | 80   | 143  | 310-32    | 96                    | -                        | 2000070599            | 2000070701                  |
| 2,000               | 122 x 122   | 69   | 80   | 187  | 310-94A   | 44                    | -                        | 2000073352            | 2000073353                  |

A = Diameter body / B = Neck i.d. / C = Cap size o.d. / D = Height without closure

\*Packaging unit/minimum ordering quantity \*\*Subpackaging = quantity packed in extra cardboard box



Suitable for food.



Halal certified.



Due to the wide neck opening the containers are easy to fill and to clean.



Black closure with PE-foam insert, leakproof.



Brown transparent, suitable for light-sensitive media.



"Recycling symbol" in accordance with Directive 97/129/EC and 94/62/EC.



## Wide neck container series 310 PETG

Wide neck opening  
Easy to fill  
Easy to clean  
Leakproof

Excellent transparency | Leakproof

Black closure with  
PE-foam wad



| Nominal capacity ml | A mm        | B mm | C mm | D mm | Mould no. | No. of pcs. per case* | No. of per pkg.** | Order no.  |
|---------------------|-------------|------|------|------|-----------|-----------------------|-------------------|------------|
| 50                  | 38.5 x 38.5 | 23   | 32   | 60.5 | 310-26    | 972                   | 162               | 2000074371 |
| 100                 | 46 x 46     | 31   | 40   | 71   | 310-27    | 480                   | 80                | 2000074372 |
| 200                 | 59.5 x 59.5 | 41   | 50   | 88   | 310-28    | 406                   | -                 | 2000074373 |
| 500                 | 80.5 x 80.5 | 54   | 65   | 108  | 310-31    | 162                   | -                 | 2000074374 |
| 1,000               | 97 x 97     | 69   | 80   | 143  | 310-32    | 96                    | -                 | 2000074375 |
| 2,000               | 122 x 122   | 69   | 80   | 187  | 310-94A   | 44                    | -                 | 2000084404 |

A = Diameter body / B = Neck i.d. / C = Cap size o.d. / D = Height without closure

\*Packaging unit/minimum ordering quantity

\*\*Subpackaging = quantity packed in extra cardboard box



Suitable for food.



Halal certified.



Crystal-clear for an excellent product presentation.



"Recycling symbol" in accordance with Directive 97/129/EC and 94/62/EC.

This container is also suitable as a sales or gift packaging.

## Closures for wide neck container series 310 PVC and PETG



### Screw closure PP, black, with PE-foam wad

| Nominal capacity ml | C mm | Order no.  |
|---------------------|------|------------|
| 50                  | 32   | 2000070750 |
| 100                 | 40   | 2000070751 |
| 200/300             | 50   | 2000070752 |
| 500                 | 65   | 2000070753 |
| 750/1,000           | 80   | 2000070754 |
| 2,000               | 80   | 2000070755 |

Packed in PE bag of 100 pcs.



## Wide neck container series 310 PVC

Wide neck opening  
Easy to fill and to clean  
Leakproof

Our product video



Square | Transparent | Brown-transparent



| Nominal capacity ml | A mm        | B mm | C mm | D mm  | Mould no. | No. of pcs. per case* | No. of pcs. per packg.** | Order no. transparent | Order no. brown-transparent |
|---------------------|-------------|------|------|-------|-----------|-----------------------|--------------------------|-----------------------|-----------------------------|
| 100                 | 46 x 46     | 31   | 40   | 83.5  | 310-27B   | 480                   | 80                       | 2000084419            | 2000084593                  |
| 200                 | 59.5 x 59.5 | 41   | 50   | 98.5  | 310-28B   | 288                   | 48                       | 2000084412            | 2000084596                  |
| 300                 | 67.5 x 67.5 | 41   | 50   | 105.5 | 310-42B   | 288                   | -                        | 2000084423            | 2000084601                  |
| 500                 | 80.5 x 80.5 | 54   | 65   | 118.5 | 310-31B   | 126                   | 21                       | 2000084422            | 2000084599                  |

A = Diameter body / B = Neck i.d. / C = Cap size o.d. / D = Height without closure

\*Packaging unit/minimum ordering quantity \*\*Subpackaging = quantity packed in extra cardboard box



Suitable for food.



Halal certified.



Brown transparent, suitable for light-sensitive media.



Due to the wide neck opening the containers are easy to fill and to clean.



With tamper evident closure, PP, black colour, leakproof.



"Recycling symbol" in accordance with Directive 97/129/EC and 94/62/EC.

Screw closure PP, black, with PE-foam wad and tamper evident ring

| Nominal capacity ml | C mm | Order no.  |
|---------------------|------|------------|
| 100                 | 40   | 2000084479 |
| 200/300             | 50   | 2000084480 |
| 500                 | 65   | 2000084481 |

Packed in PE bag of 100 pcs.

The content is safe against unauthorized removal. Opening the closure leaves distinct traces.



## Wide neck jar series 376 HDPE

Wide neck opening  
Easy to fill and to clean  
Leakproof

Round | Natural colour



| Nominal capacity ml | A mm | B mm | C mm | D mm | Mould no. | No. of pcs. per case* | Order no.  |
|---------------------|------|------|------|------|-----------|-----------------------|------------|
| 100                 | 48   | 31   | 40   | 77   | 376-34    | 700                   | 2000071492 |
| 250                 | 65   | 41   | 50   | 98   | 376-18    | 298                   | 2000070541 |
| 500                 | 80   | 53   | 65   | 122  | 376-12    | 162                   | 2000070542 |
| 750                 | 94   | 53   | 65   | 130  | 376-19    | 108                   | 2000070543 |
| 1,000               | 100  | 67   | 80   | 153  | 376-13    | 75                    | 2000070544 |
| 1,500               | 114  | 67   | 80   | 173  | 376-20    | 48                    | 2000070545 |
| 2,000               | 126  | 67   | 80   | 192  | 376-25    | 40                    | 2000071066 |

A = Diameter body / B = Neck i.d. / C = Cap size o.d. / D = Height without closure  
\*Packaging unit/minimum ordering quantity



Suitable for food.



Halal certified.



Due to the wide neck opening the containers are easy to fill and to clean.



Particularly suitable for storage, transport or disposal of powdery or granulated materials.



Black closure with PE-foam wad, leakproof.



"Recycling symbol" in accordance with Directive 97/129/EC and 94/62/EC.

Screw closure PP, black, with PE-foam wad

| Nominal capacity ml | C mm | Order no.  |
|---------------------|------|------------|
| 100                 | 40   | 2000070751 |
| 250                 | 50   | 2000070752 |
| 500/750             | 65   | 2000070753 |
| 1,000/1,500/2,000   | 80   | 2000070754 |

Packed in PE bag of 100 pcs.



Wide neck container  
series 311 HDPE

Space-saving  
Moulded hand-grip  
Convenient handling

Square | Natural colour | With moulded hand-grip  
With screwed-on closure



Our product video



| Wide neck container series 311 HDPE, square, natural colour |           |      |      |      |           |                       |            |
|-------------------------------------------------------------|-----------|------|------|------|-----------|-----------------------|------------|
| Nominal capacity ml                                         | A mm      | B mm | C mm | D mm | Mould no. | No. of pcs. per case* | Order no.  |
| 2,300                                                       | 135 x 135 | 68.5 | 80   | 188  | 311-13    | 36                    | 2000083981 |

| Wide neck container series 311 HDPE, square, natural colour, with screw closure |           |      |      |      |           |                       |            |
|---------------------------------------------------------------------------------|-----------|------|------|------|-----------|-----------------------|------------|
| Nominal capacity ml                                                             | A mm      | B mm | C mm | D mm | Mould no. | No. of pcs. per case* | Order no.  |
| 4,400                                                                           | 142 x 142 | 109  | 120  | 263  | 311-03    | 52                    | 2000098311 |

A = Diameter body / B = Neck i.d. / C = Cap size o.d. / D = Height without closure  
\*Packaging unit/minimum ordering quantity

| Screw closure PP, blue, with tamper evident ring and conical seal |      |                      |            |
|-------------------------------------------------------------------|------|----------------------|------------|
| For bottle nominal capacity ml                                    | C mm | No. of pcs. per case | Order no.  |
| 2,300                                                             | 80   | 210                  | 2000073775 |



Suitable for food.



Halal certified.



The square shape saves space.



With moulded hand-grip for safe and convenient handling.



Ideal for collecting, storing and transporting solid chemicals.



Nominal capacity 4,400 ml not leakproof.



“Recycling symbol” in accordance with Directive 97/129/EC and 94/62/EC.



## Multipurpose container series 357 HDPE

Polygonal | Natural colour | With screwed-on closure

Wide neck opening  
Easy to fill  
Easy to clean



| Nominal capacity ml | A mm      | B mm  | C mm | D mm | Mould no. | No. of pcs. per case* | Order no.  |
|---------------------|-----------|-------|------|------|-----------|-----------------------|------------|
| 5,000               | 190 x 180 | 108.5 | 120  | 230  | 357-5     | 14                    | 2000070546 |
| 10,000              | 230 x 222 | 108.5 | 120  | 303  | 357-10    | 6                     | 2000070547 |

A = Diameter body / B = Neck i.d. / C = Cap size o.d. / D = Height without closure

\*Packaging unit/minimum ordering quantity



Suitable for food.



Halal certified.



The wide neck opening means easy filling, emptying and cleaning.



Particularly suitable for storage, transport or disposal of powdery or granulated materials.



Not leakproof.



"Recycling symbol" in accordance with Directive 97/129/EC and 94/62/EC.



## Carboy series 350 HDPE

Litre scale

Optional stopcock connection

Screwed-on closure

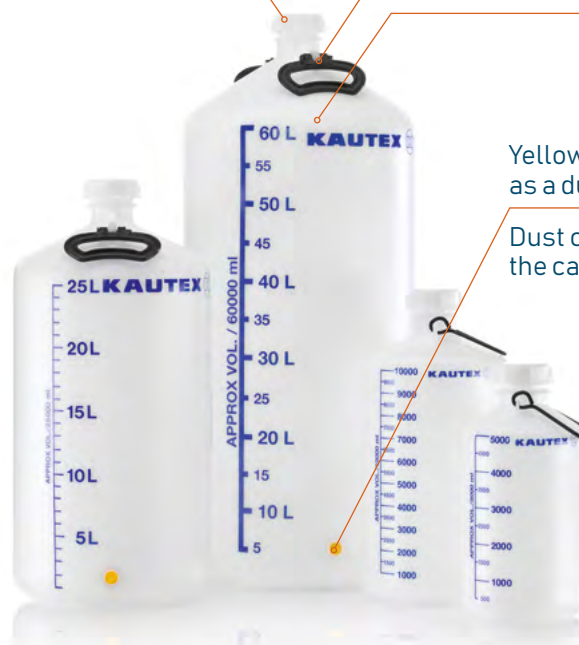
Our product video



Natural colour | Blue litre-scale

Yellow dust cap serves as a dust protection.

Dust cap doesn't seal the carboy.



| Nominal capacity<br>litre          | A<br>mm | B<br>mm | D<br>mm | Mould<br>no. | No. of pcs.<br>per case* | Order no.  |
|------------------------------------|---------|---------|---------|--------------|--------------------------|------------|
| <b>Without stopcock connection</b> |         |         |         |              |                          |            |
| 5                                  | 167     | 50      | 330     | 350-5        | 11                       | 2000084131 |
| 10                                 | 206     | 50      | 427     | 350-10       | 6                        | 2000084133 |
| 25                                 | 278     | 50      | 580     | 350-25       | 5                        | 2000084135 |
| 60                                 | 346     | 50      | 823     | 350-60       | 2                        | 2000084136 |
| <b>With stopcock connection</b>    |         |         |         |              |                          |            |
| 5                                  | 167     | 50      | 330     | 350-5Z       | 11                       | 2000084137 |
| 10                                 | 206     | 50      | 427     | 350-10Z      | 6                        | 2000084132 |
| 25                                 | 278     | 50      | 580     | 350-25Z      | 5                        | 2000084138 |
| 60                                 | 346     | 50      | 823     | 350-60Z      | 2                        | 2000084139 |

A = Diameter body / B = Neck i.d. / C = Cap size o.d. / D = Height without closure

\*Packaging unit/minimum ordering quantity



Suitable for food.



Halal certified.



Printed litre scale.



"Recycling symbol" in accordance with  
Directive 97/129/EC and 94/62/EC.

With and without threaded stopcock connection.



1 Stopcock, HDPE, blue



Stopcock,  
media-contacting  
parts PP, PE & PTFE,  
blue



2



3 Adapter blue for 2

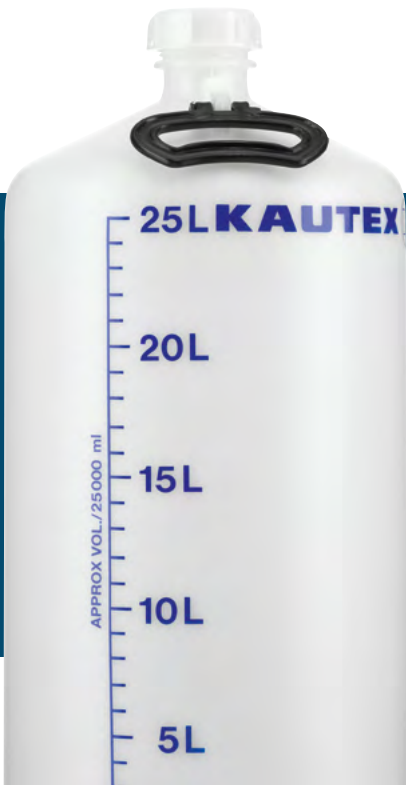


4 Blank stopper,  
HDPE,  
natural colour

5 Replacement closure,  
HDPE, natural colour  
(not illustrated)

Accessories for carboys

| 1          | 2          | 3          | 4          | 5          |
|------------|------------|------------|------------|------------|
| Order no.  | Order no.  | Order no.  | Order no.  | Order no.  |
| 2000076459 | 2000083794 | 2000083793 | 2000070625 | 2000073196 |



Suitable for food.



Halal certified.



Printed litre scale.



“Recycling symbol” in accordance with  
Directive 97/129/EC and 94/62/EC.

With and without threaded stopcock connection.

# Un open top drum series 359 HDPE

Lid  
UN approval  
Clamping ring

With lid | With clamping ring

Round | Blue

UN approval for solids

| Nominal capacity litre | A mm | B mm | Height with closure | No. per case pcs. | UN approval   | Order no.  |
|------------------------|------|------|---------------------|-------------------|---------------|------------|
| 30                     | 313  | 251  | 518                 | 1                 | UN 1H2/X61/S  | 2000090800 |
| 60                     | 398  | 325  | 620                 | 1                 | UN 1H2/X88/S  | 2000090867 |
| 120                    | 469  | 395  | 790                 | 1                 | UN 1H2/X225/S | 2000091093 |

A = Diameter body / B = Neck i.d

-  Suitable for food.
-  Halal certified.
-  All sizes with UN approval for solids.
-  "Recycling symbol" in accordance with Directive 97/129/EC and 94/62/EC.

Meet the GGVS/GGVE (rail/road/sea) regulations for the transport of solid substances with a density of at least 1.5 g/ccm.

Supplied complete with PE-lid and galvanized clamping ring.

30 and 60 l with handles.



Guide regarding  
UN packaging



## Industrial jerrycan series 353 HDPE

UN approval

Comprehensive range of closures

Varied use

Leakproof



Our product video

Natural colour



UN approval for liquids

| Nominal capacity l                                  | A mm      | B mm | C mm | D mm | Weight g | Pcs. PE-bag* | Pcs./pallet | UN approval     | Order no.  |
|-----------------------------------------------------|-----------|------|------|------|----------|--------------|-------------|-----------------|------------|
| Industrial jerrycan series 353 HDPE, natural colour |           |      |      |      |          |              |             |                 |            |
| 2                                                   | 145 x 109 | 34.5 | 45   | 196  | 110      | 25           | 300         | -               | 2000095939 |
| 2.5                                                 | 153 x 115 | 34.5 | 45   | 208  | 125      | 25           | 300         | UN 3H1/Y1.6/150 | 2000095966 |
| 3                                                   | 153 x 115 | 34.5 | 45   | 240  | 140      | 25           | 250         | UN 3H1/Y1.6/150 | 2000096404 |
| 5                                                   | 190 x 145 | 40.5 | 50   | 251  | 250      | 16           | 160         | UN 3H1/X1.9/250 | 2000092562 |
| 6                                                   | 192 x 145 | 34.5 | 45   | 294  | 265      | 16           | 288         | -               | 2000095937 |
| 10                                                  | 230 x 190 | 40.5 | 50   | 310  | 450      | 10           | 80          | UN 3H1/X1.9/250 | 2000095642 |
| 20                                                  | 290 x 246 | 48.5 | 60   | 385  | 950      | 6            | 36          | UN 3H1/X1.9/250 | 2000096138 |
| 30                                                  | 320 x 284 | 48.5 | 60   | 435  | 1,250    | 6            | 36          | UN 3H1/X1.9/250 | 2000095981 |

A = Diameter body / B = Neck i.d. / C = Cap size o.d. / D = Height without closure

\*Packaging unit/minimum ordering quantity



The jerrycans are suitable for food, please contact us for further information on food suitability of the closures.



Halal certified.



Jerrycans 2.5 to 5 and 10 to 30 l with UN approval.



Universal jerrycan for industry, trade and laboratories.



"Recycling symbol" in accordance with Directive 97/129/EC and 94/62/EC.

The jerrycans with a comprehensive range of closures accessories can be used for almost any purpose.



Guide regarding  
UN packaging

Industrial jerrycan  
series 353 HDPE blue

UN approval  
Varied use  
Leakproof



UN approval for liquids

| Nominal capacity l                               | A mm      | B mm | C mm | D mm | Weight g | Pcs./ PE bag* | Pcs./ pallet | UN approval     | Order no.  |
|--------------------------------------------------|-----------|------|------|------|----------|---------------|--------------|-----------------|------------|
| Industrial jerrycan series 353 HDPE, blue colour |           |      |      |      |          |               |              |                 |            |
| 20                                               | 290 x 246 | 48.5 | 60   | 385  | 950      | 6             | 36           | UN 3H1/X1.9/250 | 2000096232 |
| 25                                               | 290 x 246 | 48.5 | 60   | 450  | 1.100    | 6             | 36           | UN 3H1/X1.9/250 | 2000086794 |
| 30                                               | 320 x 284 | 48.5 | 60   | 435  | 1.250    | 6             | 36           | UN 3H1/X1.9/250 | 2000095982 |

A = Diameter body / B = Neck i.d. / C = Cap size o.d. / D = Height without closure  
\*Packaging unit/minimum ordering quantity

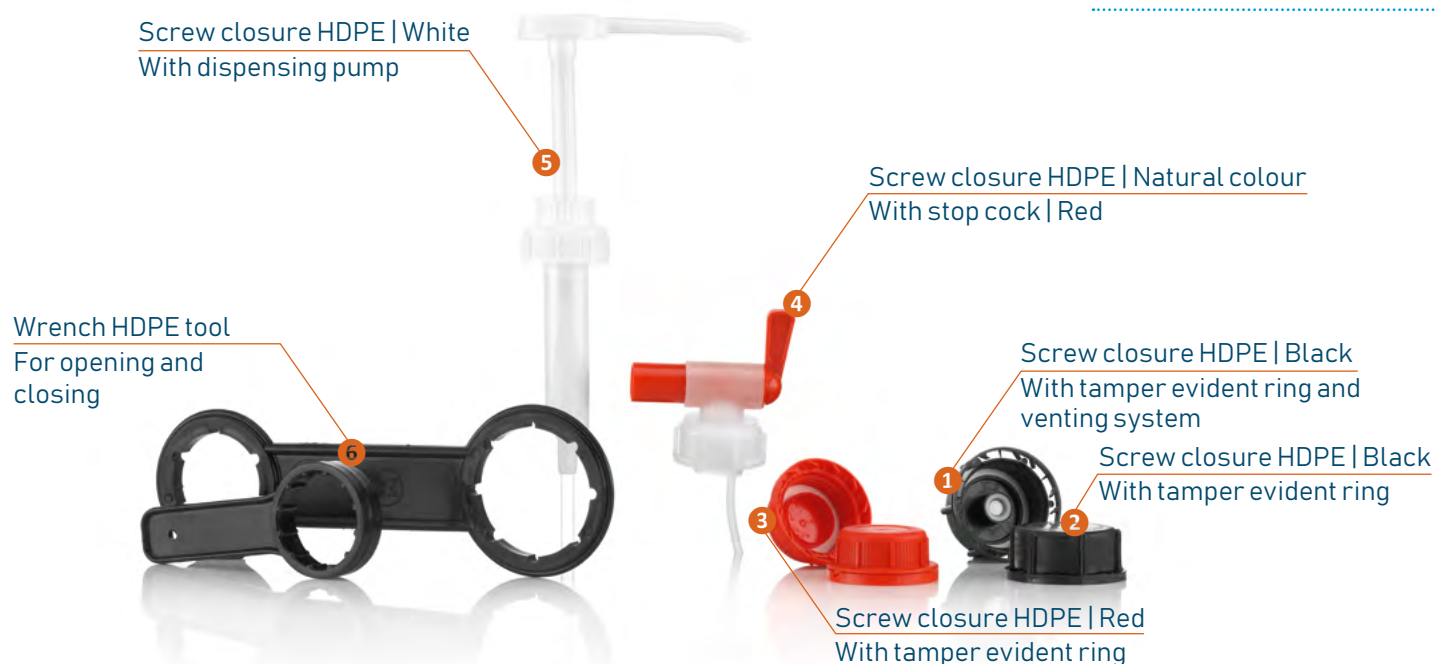
 The jerrycans are suitable for food.  
Please contact us for further information on food suitability of the closures.

 Halal certified.

 "Recycling symbol" in accordance with Directive 97/129/EC and 94/62/EC.



## Closures for industrial jerrycans series 353 HDPE



| For jerrycan nominal capacity litre | 1<br>Order no. | 2<br>Order no. | 3<br>Order no. | 4<br>Order no. | 5<br>Order no. | 6<br>Order no. |
|-------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 2/2.5/3                             | 2000086365     | 2000085874     | 2000085870     | 2000095872     | 2000096921     | 2000090464     |
| 5                                   | 2000095912     | 2000095946     | 2000095901     | 2000090386     | 2000090568     | 2000090465     |
| 6/8                                 | 2000086365     | 2000085874     | 2000085870     | 2000095872     | 2000096921     | 2000090464     |
| 10                                  | 2000095912     | 2000095946     | 2000095901     | 2000090386     | 2000090568     | 2000090465     |
| 20                                  | 2000091898     | 2000096987     | 2000096984     | 2000090480     |                | 2000090465     |
| 25                                  | 2000091898     | 2000096987     | 2000096984     | 2000090480     |                | 2000090465     |
| 30                                  | 2000091898     | 2000096987     | 2000096984     | 2000090480     |                | 2000090465     |

 Halal certified.

 "Recycling symbol" in accordance with Directive 97/129/EC and 94/62/EC.



# Know how and competence for successful products

**KAUTEX Textron has been specialised in manufacturing extrusion-blown plastic containers for more than eight decades. Goal-directed with uncompromising standards for quality and customer focus, we have made our products to belong to the most successful on the international market.**  
**We are meeting the challenges of tomorrow by resolutely leveraging the capacity for innovation and technological leadership in plastics processing of our international group.**

## **Standard packaging**

- Successful products for laboratories, chemical industries and pharmacy
- Many versions, sizes, materials, accessories
- For special applications also possible with barriers (coex, fluorination)
- Available from stock
- Many models available with UN approval

## **Jerrycans**

- Jerrycans: 2 l/2.5 l/3 l/5 l/6 l/8 l/10 l/12 l/15 l/20 l/25 l/30 l
- Available from stock
- UN approval available

## **Special Packaging**

- Bottles and jerrycans made of PE, PP, PVC and PETG; for special applications also available with barriers (coex)
- The customer determines the design and pays for the mould; the products are supplied only to this customer
- UN approval available
- Rapid Prototyping concept

## **AgroPack® Product Range**

- Jerrycans for crop protection agents: 5 l/10 l
- Bottles for crop protection agents: 250 ml/500 ml/1.000 ml
- Available with and without barrier (coex)
- UN approval available









# Intended use of products materials at kautex

The bottles and containers in this catalogue are, if not labeled otherwise, suitable for foods and satisfy the European requirements of Regulation (EC) No. 1935/2004 and Regulation (EU) No. 10/2011. The bottles and containers can therefore be used within the European Economic Area as food packaging. We would be glad to provide the corresponding declarations of conformity upon request and recommended closures which are safe for contact with foods and would be suitable for your applications. Our products are produced with GMP standards Regulation (EC) No. 2023/2006 (of 22 December 2006) on good manufacturing practice for materials and articles intended to come into contact with food as amended in mind.

The bottles and containers in this catalogue satisfy the European legal requirements for packages for cosmetic goods according to Regulation (EC) No. 1223/2009. They are therefore permissible for use within the European Economic Area as packaging for cosmetic products. The conditions for use and notices regarding safe use found in the respective declarations of conformity and product data sheets must be observed.

Our UN packagings satisfy the legal requirements of the GGVSEB and the European agreements ADR, ADN and RID for the carriage of dangerous goods by road, rail and inland waterways. The UN dangerous materials packagings satisfy the requirements of European chemical law for packages for hazardous substances and mixtures according to Regulation (EC) No. 1272/2008.

They are therefore permissible for use within the European Economic Area as packaging for hazardous substances and mixtures. The provision and notices regarding the proper use of the packaging according to the UN permits of the Federal Institute for Materials Research and Testing (BAM) must be observed.

Our products can frequently also be used or adapted for purposes other than those cited. We possess our own production facilities in which packages of pharmaceutical and medical products can be produced in accordance with GMP standards for pharmaceutical products and medical devices pursuant to Directive 2003/94/EC and Directive 93/42/EEC.

If you have a use in mind for pharmaceutical and medical purposes or a use that deviates from the above, please contact us so that we can find a solution tailored to your needs. The same holds true for uses outside of the European Economic Area and for UN dangerous goods packages that fall outside of the territorial scope of the European agreements ADR, ADN, and RID. Without consulting with us, any uses that deviate from the proper uses listed above lie in the responsibility of the user.

## Registration

As we are manufacturing products according to the REACH regulation, we are not directly affected by the registration. However our suppliers are subject to this obligation and we are working closely with them.

## Substances of Very High Concern – SVHC

The currently applicable SVHC list (candidate list) defines substances for which there is a registration obligation to customers and downstream users. According to article 33 of the REACH regulation, the manufacturing company shall "supply to the consumer all information available to him concerning the safe use of the product, and shall at least supply the name of the relevant substance".

## Substances of REACH Appendix XIV and XVII

Based on the substances defined in the candidate list, the EU discusses which of these substances require authorization. In cooperation with our suppliers, we are launching appropriate activities in case that our products contain substances listed in Appendix XIV so that they have to be replaced.

## Restrictions are listed in Appendix XVII

The restrictions are very specific and often combined with limit values. Again, Kautex is in close contact with our suppliers in order to ensure compliance with the material restrictions. You will find more detailed information related to REACH at <http://echa.europa.eu/>

Without UN permits, our products may be used for packaging for hazardous substances and mixtures according to Regulation (EC) No. 1272/2008 only if the user can guarantee that the requirements according to Article 35 of this regulation are observed. This check must be performed by the user on his or her own responsibility. In particular, the user must make sure the respective content does not damage the materials of packages and closures or react with these materials to form dangerous compounds.

## Compliance with RoHS regulations

Packaging produced by Kautex complies with the Restriction of Hazardous Substances EU-Guideline 2011/65 incl. EU 2015/863 of the European Parliament and Council of June 8th, 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

The aim of the RoHS EU-Guideline 2011/65 is the protection of human health and environment. The substances mentioned in the Guidelines include lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls, and polybrominated diphenyl ethers.

#### **Polyolefins (PE): LDPE, HDPE, PP**

- Physiologically inert
- Flexible and inherently stable
- Good chemical resistance
- Shatter-proof
- PP is autoclavable

#### **Polypropylen (PP)**

- Rigid and inherently stable
- Very good chemical resistance
- Features a very good resistance against tension cracking
- In thin layers almost transparent, thicker layers are translucent up to opaque white

#### **Low-density Polyethylene (LDPE)**

- Flexible, tough and shatter-proof
- In thin layers almost transparent, thicker layers are translucent up to opaque white
- Resistant to water, aqueous solutions

#### **High-density Polyethylene (HDPE)**

- Rigid and shatter-proof
- Slightly transparent in thin layers, in thicker layers weakly translucent to opaque white
- Resistant to water, aqueous solutions and most chemicals
- Excellent water vapour resistance

#### **Polyvinyle chloride (PVC hard)**

- Physiologically inert
- Crystal-clear or transparent brown
- Good chemical resistance
- Extremely rigid, high breaking resistance
- High transparency
- Resistant to water, aqueous solutions, alcohols and oils
- Slight gas permeability, e.g. to oxygen
- Adequate water vapour resistance in most cases

#### **Co- Polyester (PETG) (Polyethylene Terephthalat Glycole)**

- Physiologically inert
- Flexible and inherently stable
- High transparency (glass-clear), optically brilliant
- Shatter-proof
- Resistant to water, aqueous solutions, salts,
- Aliphatic mediums, hydrocarbons and oils.







# Usage instruction\_

## for bottles, jerrycans and closures

### 1. General Information

This usage instruction contains important information in connection with German law governing product safety in order to ensure the safety and protect the health of users. It must be ensured that this information is brought to the attention of the users (Directive EU 2023/988 on General Product Safety).

In the case of UN dangerous goods packaging, all stipulations and notes on the respective UN approval relating to proper use of packaging are to be respected and communicated to any and all parties using this packaging for dangerous goods. Only the respective closures licensed in the respective approval may be used. UN approvals can be viewed at the homepage of the Bundesanstalt für Materialforschung und -prüfung <https://app.tes.bam.de/php/d-bam/index.php?id=zulassung>

### 2. Storage

The recommended storage temperature for bottles/jerry cans should be between + 5 °C and +40 °C. Higher temperatures may cause deformity of the bottles/jerry cans. The bottles/jerry cans must not be exposed to direct sunlight in order to avoid the containers' mechanical properties being negatively affected.

### 3. Use/filling

The unused bottles/jerry cans should only be used up to 5 years after the production date. Please make sure that the packaging and in particular the sealing zones are not damaged/negatively affected when emptying and filling the containers. Avoid any and all mechanical or thermal damage to the bottles/jerry cans. Please use the degassing closures for gaseous goods. We recommend to use specific knives/cutter with a "safe blade" to open the stretch film to avoid any damage to the product.

If the bottles and canisters we manufacture are used as transport packaging for dangerous goods, we strongly recommend that the closures used are screwed on using a torque wrench. We can provide torque instructions upon request.

### 4. Filling hot substances

Do not stack the bottles/jerry cans while they are still warm. The bottles/jerry cans may only be closed after having cooled down, or only with a degassing closure in order to ensure pressure equalization.

The bottles/jerry cans should be able to cool off quickly. If they maintain higher temperatures (60–80 °C) for a lengthy period, it could cause permanent deformation of the jerry cans. The bottles/jerry cans must be filled in an upright position on a level surface. Floors or areas with openings or unsuitable pallets (light pallets) should be avoided.

Ensure the packaging container is securely positioned and fill the filling product into the filler opening provided for this purpose at atmospheric pressure. If the filling temperature should ever exceed 40 °C, consult the supplier of the packaging container beforehand. To prevent vacuum deformation when cooling down, measures must be taken to ensure sufficient ventilation of the packaging container to compensate for the vacuum. Stacking should also be avoided until the packaging container has completely cooled down.

Packaging containers for the transport of dangerous goods must be properly closed both after filling and before handing over for carriage.

### 5. Chemical stability

Our products without UN approval may only be used as packaging for dangerous substances and mixtures in accordance with Regulation (EC) no. 1272/2008 if the user ensures that the requirements set out in Article 35 of this Regulation have been adhered to. This inspection is to be conducted by the user under his own responsibility. In particular, it is to be inspected whether the respective content does not damage the material constituting the packaging and fastenings or can react with these to form hazardous



compounds. You will find information on the chemical stability of basic materials that are used in our catalogue. Please follow the link:

<https://www.kautex.de/de/verpackung/katalog-referenzen>

The filling product is then allocated (and hence evidence of chemical compatibility provided) either using the assimilation method described under ADR 4.1.1.21 or via allocation according to a laboratory method test.

## 6. Recycling containers

Special application conditions apply to packaging made from recycled material and recycling material content. The warranty for recycling containers is limited to 24 months. The user is responsible for determining the compatibility and durability of the containers in conjunction with the contents using stacking tests and storage tests. A recommendation from Kautex is to carry out these tests for 4 months at 40 °C in a heating cabinet. Furthermore, the information from points 2-5 must also be observed for containers made of recycled material.

Due to the manufacturing and sorting process of the recycled raw material, color differences and spots in the products cannot be ruled out.

## 7. Emptying

As packaging containers do not usually have a bottom outlet, they can only be emptied via the filler opening. This can be done independently or by using suitable pumps or suction devices.

When the content is poured out independently, there is a tendency for the packaging container to "gurgle" (content surge) so the container must be emptied with appropriate caution. If the packaging container is mounted on a surface when the content is emptied out, the surface should be such that it does not damage the packaging container. If larger packaging containers are also emptied in this way, appropriate levers and turning devices are to be used.

When emptying using a drum pump or suction device, ensure that the packaging container is standing on a level surface free of foreign bodies. The container must be secured to prevent it from tipping over. The extraction lances should be suitable for the size of the container and the diameter of the filler opening so that these do not damage the packaging container. The emptying of the container should never be carried out under pressure. It should also be ensured that no vacuum forms in the packaging container during emptying.

## 8. Re-use

Packaging containers are basically designed for one-off use, or they can be reused depending on the design and the preceding use. The prerequisite is that before refilling and handing over for conveyance, the container is inspected to ensure it is free from corrosion, contamination or other damage.

In any event, it should be ensured that the packaging container meets the same standards for re-use as it did before the initial filling. Every packaging container that shows signs of reduced

strength must no longer be used. (ADR sub-article 4.1.1.9) The responsibility for inspection and re-use lies with the user.

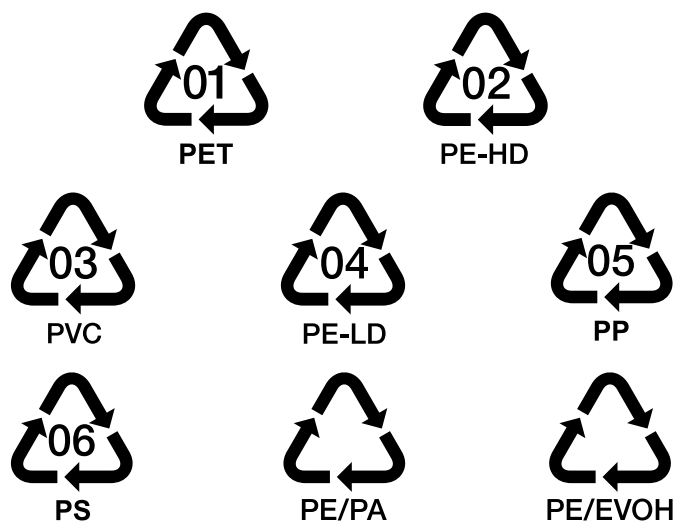
## 9. Information

Further information are listed in the brochure of "Industrie-vereinigung Kunststoffverpackungen e.V." (also in english):

[http://www.kunststoffverpackungen.de/technische\\_broschueren\\_5079.html](http://www.kunststoffverpackungen.de/technische_broschueren_5079.html)

## 10. Recyclingcode

According to 97/129/EG and 94/62/EG



Also specified for the products in our catalog: <https://www.kautex.com/en/packaging/catalogsbroschures>

# Data sheet for thermoplastics

## in general

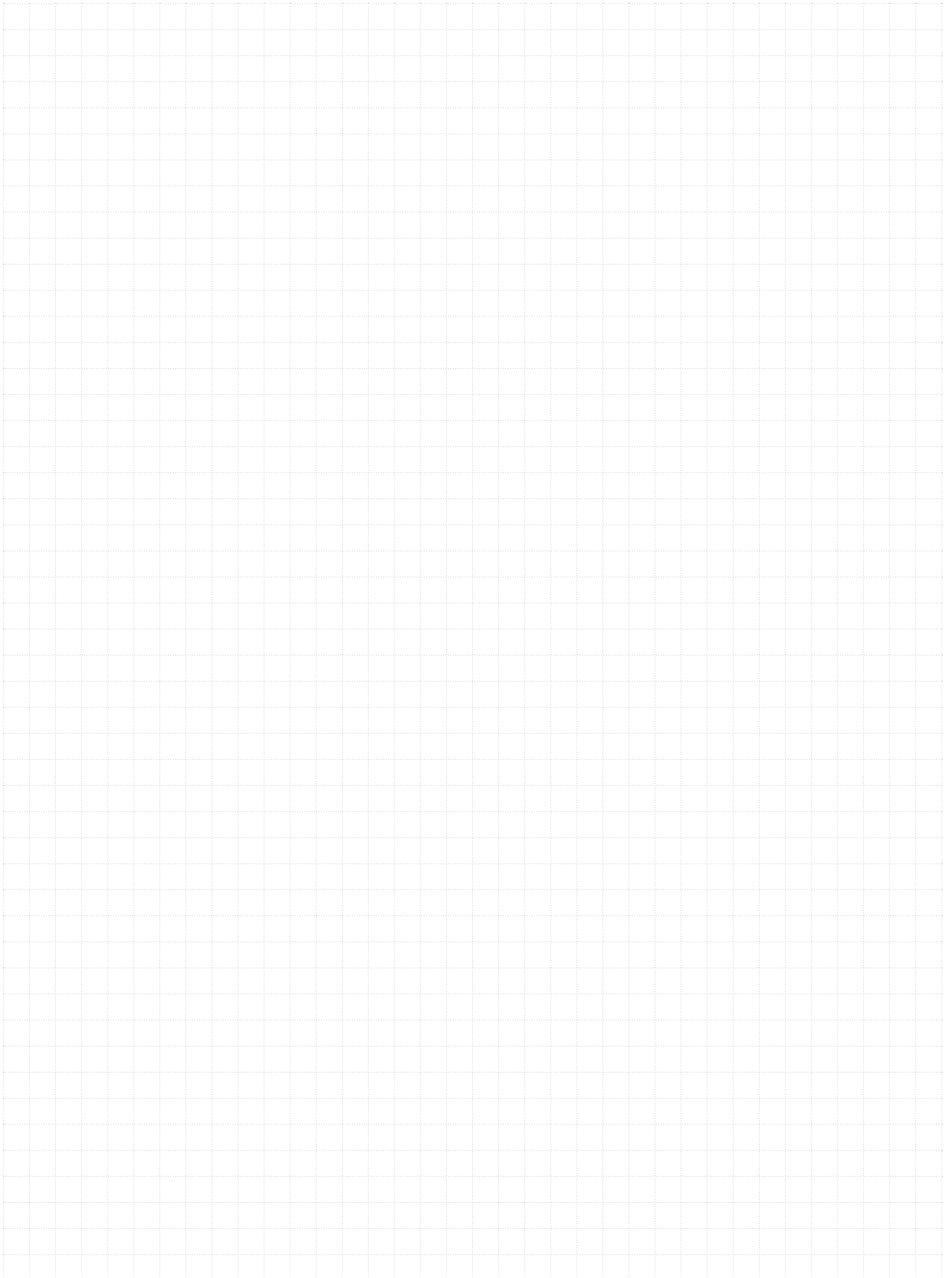
|                                                  |                                | Low density<br>Polyethylene<br>LDPE | High density<br>Polyethylene<br>HDPE | Polypropylene<br>PP             | PVC<br>rigid                    | Co-Polyester<br>PETG            | Polyamide                                          | Polycarbonate                   |
|--------------------------------------------------|--------------------------------|-------------------------------------|--------------------------------------|---------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|---------------------------------|
| Physical<br>properties of<br>thermo-<br>plastics | natural colour                 | transparent                         | translucent<br>white                 | transparent                     | crystal clear                   | crystal clear                   | up to 0.5<br>mm wall<br>thickness<br>crystal clear | crystal clear                   |
|                                                  | state at 20 °C                 | flexible                            | flexible/rigid                       | flexible/rigid                  | brittle/<br>impact<br>resistant | brittle/<br>impact<br>resistant | flexible/tough<br>vulnerable to<br>folding         | glasklar                        |
|                                                  | specific<br>weight at<br>20 °C | approx. 0.92                        | approx. 0.95                         | approx. 0.905                   | approx. 1.38                    | approx. 1.25                    | approx. 1.12                                       | approx. 1.2                     |
|                                                  | shore<br>hardness<br>20 °C     | approx. 40                          | approx. 50                           | approx. 65                      | approx. 80                      | approx. 65                      | approx. 50                                         | approx. 80                      |
|                                                  | tear strength<br>at 20 °C      | approx.<br>10 N/mm <sup>2</sup>     | approx.<br>20 N/mm <sup>2</sup>      | approx.<br>30 N/mm <sup>2</sup> | approx.<br>50 N/mm <sup>2</sup> | approx.<br>50 N/mm <sup>2</sup> | approx.<br>45 N/mm <sup>2</sup>                    | approx.<br>60 N/mm <sup>2</sup> |
|                                                  | elongation at<br>20 °C         | approx. 500 %                       | approx. 500 %                        | approx. 650 %                   | approx. 30 %                    | approx. 15 %                    | approx. 200 %                                      | approx. 100 %                   |
|                                                  | water<br>absorption            | Traces                              | Traces                               | Traces                          | Traces                          | Traces                          | high                                               | Traces                          |
|                                                  | diffusion                      | Hydro-<br>carbons                   | Hydro-<br>carbons                    | Hydro-<br>carbons               | Hydro-<br>carbons               | Hydro-<br>carbons               | water,<br>Hydro-<br>carbons                        | water,<br>Hydro-<br>carbons     |

This information only provides a general indication.

|                                                 |                          |                                                                                                                                                         |                                                         |                                                                        |                                                                                               |                                                                    |                                                                        |                                                                                |
|-------------------------------------------------|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------|------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| Chemical<br>properties of<br>thermo<br>plastics | resistant<br>against     | non oxidising alkalis,<br>organicsolvents, excl.<br>chlorinated hydrocarbons;<br>it is advisable to carry out<br>storage tests for testing<br>diffusion |                                                         | see LDPE/<br>HDPE                                                      | acids, alkalis,<br>petrol,<br>oil, fats,<br>turpentine,<br>alcohol                            | petrol,<br>oils, fats,<br>turpentine                               | petrol,<br>benzene,<br>chlorinated<br>hydrocar-<br>bons,<br>oils, fats | weak acids                                                                     |
|                                                 | not resistant<br>against | oxidising<br>acids,<br>oils, fats,<br>chlorinated<br>hydro-<br>carbons                                                                                  | oxidising<br>acids,<br>chlorinated<br>hydro-<br>carbons | oxidising<br>acids,<br>oils, fats,<br>chlorinated<br>hydro-<br>carbons | esters,<br>ketone, ben-<br>zene, chlo-<br>rinated hydro-<br>carbons,<br>hydrogene<br>sulphide | esters,<br>ketone,<br>benzene,<br>chlorinated<br>hydro-<br>carbons | acids, alkalis,<br>alcohol,<br>water                                   | alkalis,<br>strong acids,<br>esterbenzene,<br>chlorinated<br>hydro-<br>carbons |

This information only provides a general indication.

|              |                                    |                                                                  |                                                           |                                                               |                                                                                                  |                                                    |                                                                            |                                                                       |
|--------------|------------------------------------|------------------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------------------|-----------------------------------------------------------------------|
| Applications | container size                     | 0.001 to 1.000 l                                                 | 0.001 to 3.000 l                                          | 0.01 to 120 l                                                 | 0.01 to 5 l                                                                                      | 0.01 to 1 l                                        | 0.01 to 60 l                                                               | 0.01 to 30 l                                                          |
|              | type of<br>contents                | cosmetic<br>preparations,<br>foodstuffs<br>and<br>chemicals      | see LDPE,<br>aromatic<br>hydro-<br>carbons,<br>oils, fats | cosmetic<br>preparations,<br>foodstuffs<br>and chemi-<br>cals | wash polish,<br>petrol, oils,<br>fats, shoe<br>cream,<br>cosmetic<br>preparations,<br>foodstuffs | cosmetic<br>preparations,<br>foodstuffs            | petrol, oils,<br>fats, stain<br>remover<br>(tri, tetra)                    | cosmetic<br>preparations,<br>foodstuffs                               |
|              | trans-<br>formation of<br>contents | none caused by the material itself,<br>possibly due to diffusion |                                                           |                                                               | -                                                                                                | -                                                  | drying out<br>without<br>becoming<br>moist due to<br>diffusion of<br>water | none caused<br>by material<br>itself, possibly<br>due to<br>diffusion |
|              | printing-<br>options               | Screen<br>printing                                               | Screen<br>printing                                        | Screen<br>printing                                            | Screen<br>printing                                                                               | Screen<br>printing                                 | Screen<br>printing                                                         | Screen<br>printing                                                    |
|              | engraving<br>suitability           | good                                                             | good                                                      | very good                                                     | vulnerable<br>to cracking<br>around sharp<br>edges                                               | vulnerable<br>to cracking<br>around sharp<br>edges | vulnerable<br>to cracking<br>around sharp<br>edges                         | vulnerable<br>to cracking<br>around sharp<br>edges                    |
|              | operational<br>temperature         | -40 °C<br>to 95 °C                                               | -40 °C to<br>110 °C                                       | 0 °C to<br>130 °C                                             | -30 °C to<br>70 °C                                                                               | 0 °C to<br>65 °C                                   | 0 °C to<br>80 °C                                                           | -40 °C to<br>115 °C                                                   |



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