



EXPERTISE IN PLASTICS

JERRYCANS



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OPTI-RIB® HDPE JERRYCANS 2 – 30 LITRES

Wide range of approvals
2–30 litres volume
Various weight categories

Many standard sizes



KAUTEX makes your packing concepts real!
We produce cans and bottles according to your requirements whatever the weight, approval, colouring, view strip, embossing, decoration, as well as the type of cap may be.

In many standard sizes for a wide range of industrial applications*, e.g.:

- food
- cleaning agents
- pharmaceutical industry
- chemistry
- hazardous goods

*More Information on page 26



Suitable for Europaletts
Stackable
Environmentally friendly

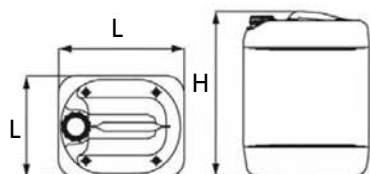
OPTI-RIB® HDPE JERRYCANS 2/2.5/3 LITRES

Natural colour
Available in stock
Neck DIN 45



Order no.	Reference no.	Nominal capacity litres	Overflow capacity litres	Weight grams	Approval for hazardous goods no.	Neck i. o. mm	Dimensions L x H x W mm	Labelfield area: H x W mm	Europalett qty/height pcs/mm
2000095939	722.002.00	2.0	2.3	110	-	34.5	145 x 196 x 109	116 x 120	300/1,251
2000095966	722.002.50	2.5	2.8	124	UN 3H1/Y 1.6	34.5	153 x 208 x 115	118 x 125	300/1,323
2000096404	722.003.03	3.0	3.3	140	UN 3H1/Y 1.6	34.5	153 x 240 x 115	148 x 125	250/1,290

All specifications for natural colour, Neck DIN 45



L = longueur
H = hauteur
L = largeur

Suitable for food.

Environmentally friendly: non-residue emptying, genuine disposal (100 % HDPE).

Approvals for common hazardous goods (according to corresponding approval).

Other colours and special embossing by request.

Caps are available in many different colours and sizes.



Natural colour
Available in stock
Neck DIN 45



Order no.	Reference no.	Nominal capacity litre	Overflow capacity litres	Weight grams	Approval for hazardous goods no.	Neck i. o. mm	Dimensions L x H x W mm	Labelfield area: H x W mm	Europalett qty/height pcs/mm
2000095979	722.007.30	5.0	5.4	165	UN 3H1/Y	34.5	190 x 251 x 145	145 x 140	160/1,321
2000095818	722.007.21	5.0	5.4	180	UN 3H1/Y 1.9	34.5	190 x 251 x 145	145 x 140	160/1,321
2000095897	722.007.22	5.0	5.4	220	UN 3H1/Y 1.9	34.5	190 x 251 x 145	145 x 140	160/1,321
2000095817	722.007.20	5.0	5.3	250	UN 3H1/X 1.9	34.5	190 x 251 x 145	145 x 140	160/1,321

All specifications for natural colour, Neck DIN 45

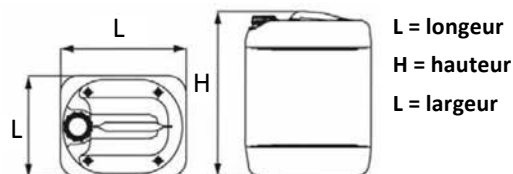
Suitable for food.

Environmentally friendly: non-residue emptying, genuine disposal (100 % HDPE).

Approvals for common hazardous goods (according to corresponding approval).

Other colours and special embossing by request.

Caps are available in many different colours and sizes.



Suitable for Europaletts
Stackable
Environmentally friendly

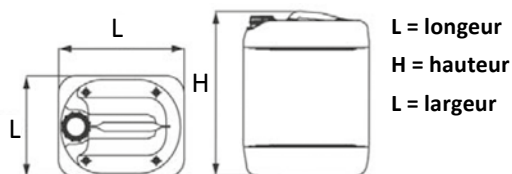
OPTI-RIB® HDPE JERRYCANS 5 LITRES



Natural colour
Available in stock
Neck DIN 50

Order no.	Reference no.	Nominal capacity litre	Overflow capacity litres	Weight grams	Approval for hazardous goods no.	Neck i. o. mm	Dimensions L x H x W mm	Labelfield area: H x W mm	Europalett qty/height pcs/mm
2000095815	722.005.02	5.0	5.4	180	UN 3H1/Y 1.9	40.5	190 x 251 x 145	145 x 140	160/1,321
2000092562	722.005.20	5.0	5.3	250	UN 3H1/X 1.9	40.5	190 x 251 x 145	145 x 140	160/1,321

All specifications for natural colour, Neck DIN 50



Suitable for food.

Environmentally friendly: non-residue emptying, genuine disposal (100 % HDPE).
Approvals for common hazardous goods (according to corresponding approval).
Other colours and special embossing by request.
Caps are available in many different colours and sizes.





Natural colour
Available in stock
Neck DIN 55

Order no.	Reference no.	Nominal capacity litre	Overflow capacity litres	Weight grams	Approval for hazardous goods no.	Neck i. o. mm	Dimensions L x H x W mm	Labelfield area: H x W mm	Europalett qty/height pcs/mm
2000098962	722.005.51	5.0	5.3	220	UN 3H1/Y 1.9	44.5	190 x 251 x 145	145 x 140	160/1,321
2000098963*	722.005.52	5.0	5.3	250	UN 3H1/X 1.9	44.5	190 x 251 x 145	145 x 140	160/1,321

All specifications for natural colour, neck DIN 55

*Besides natural colour also stocked in blue colour

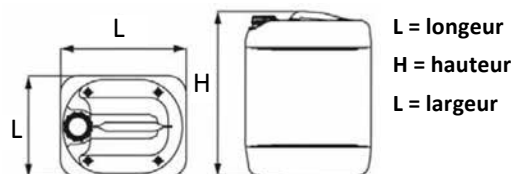
Suitable for food.

Environmentally friendly: non-residue emptying, genuine disposal (100 % HDPE).

Approvals for common hazardous goods (according to corresponding approval).

Other colours and special embossing by request.

Caps are available in many different colours and sizes.



Suitable for Europaletts
Stackable
Environmentally friendly

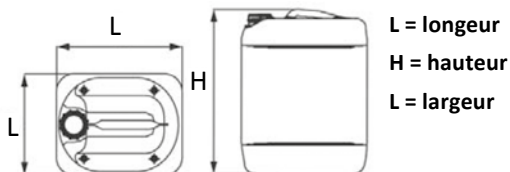
OPTI-RIB® HDPE JERRYCANS 6 LITRES



Natural colour
Neck DIN 45 und 55

Order no.	Reference no.	Nominal capacity litre	Over-flow capacity litres	Weight grams	Approval for hazardous goods no.	Neck i. o. mm	Dimensions L x H x W mm	Labelfield area: H x W mm	Europalett qty/height pcs/mm
2000086362	DIN 45 723.006.00	6.0	6.5	240	UN 3H1/Y 1.9	34.5	190 x 295 x 145	187 x 140	128/1,267
2000086386	DIN 55 723.006.50	6.0	6.5	240	UN 3H1/Y 1.9	44.5	190 x 295 x 145	187 x 140	128/1,267
2000086382	DIN 45 723.006.20	6.0	6.5	270	UN 3H1/Y 1.9	34.5	190 x 295 x 145	187 x 140	128/1,267
2000086388	DIN 55 723.006.60	6.0	6.5	270	UN 3H1/Y 1.9	44.5	190 x 295 x 145	187 x 140	128/1,267

All specifications for natural colour, neck DIN 45 und 55



L = longueur
H = hauteur
L = largeur

Suitable for food.

Increased stability through inner ribs.

Environmentally friendly: non-residue emptying, genuine disposal (100 % HDPE).

Approvals for common hazardous goods (according to corresponding approval).

Other colours and special embossing by request.

Caps are available in many different colours and sizes.



OPTI-RIB® HDPE JERRYCANS 6–8 LITRES

Suitable for Europaletts
Stackable
Environmentally friendly



Natural colour
Available in stock
Neck DIN 45

Order no.	Reference no.	Nominal capacity litre	Overflow capacity litres	Weight grams	Approval for hazardous goods no.	Neck i. o. mm	Dimensions L x H x W mm	Labelfield area: H x W mm	Europalett qty/height pcs/mm
2000086244	722.016.05	6.0	6.7	265	-	34.5	192 x 294 x 145	185 x 135	128/1,300
-	-	8.0	9.1	320	-	34.5	230 x 270 x 190	140 x 150	200/2,675

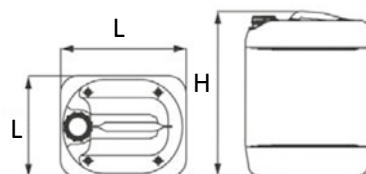
All specifications for natural colour, Neck DIN 45

Suitable for food.

Environmentally friendly: non-residue emptying, genuine disposal (100 % HDPE).

Other colours and special embossing by request.

Caps are available in many different colours and sizes.



L = longueur
H = hauteur
L = largeur



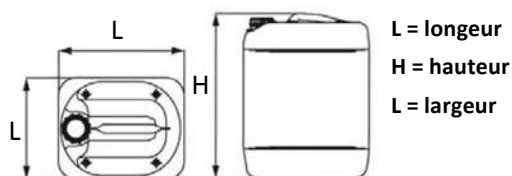
Suitable for Europaletts
Stackable
Environmentally friendly
Attached stopper

OPTI-RIB® HDPE JERRYCANS WITH ATTACHED STOPPER 6/8/10 LITRES



Order no.	Reference no.	Nominal capacity litre	Overflow capacity litres	Weight grams	Approval for hazardous goods no.	Neck i. o. mm	Dimensions L x H x W mm	Label field area: H x W mm	Europalett qty/height pcs/mm
2000095937	722.016.00	6.0	6.7	265	-	34.5	192 x 294 x 145	185 x 135	288/2,715
2000080289	722.009.00	8.0	9.1	320	-	34.5	230 x 270 x 190	140 x 150	200/2,675
2000094992	722.008.12	10.0	10.8	365	-	34.5	230 x 310 x 190	168 x 160	180/2,780

All specifications for natural colour. Neck DIN 45



Automatically attached stopper.

Automatic closure attachment possible.

Environmentally friendly: non-residue emptying, genuine disposal (100 % HDPE).



Natural colour
Available in stock
Neck DIN 45



Order no.	Reference no.	Nominal capacity litre	Overflow capacity litres	Weight grams	Approval for hazardous goods no.	Neck i. o. mm	Dimensions L x H x W mm	Label field area: H x W mm	Europalett qty/height pcs/mm
2000096991	722.008.28	10.0	10.8	280	-	34.5	230 x 310 x 190	168 x 160	80/1,336
2000095906	722.008.05	10.0	10.8	320	-	34.5	230 x 310 x 190	168 x 160	80/1,336
2000095926	722.008.17	10.0	10.8	340	-	34.5	230 x 310 x 190	168 x 160	180/2,780
2000096000	722.008.30	10.0	10.8	360	UN 3H1/Y 1.6	34.5	230 x 310 x 190	168 x 160	80/1,336
2000094566	722.008.11*	10.0	10.8	380	UN 3H1/Y 1.9	34.5	230 x 310 x 190	168 x 160	80/1,336
2000090650	722.008.00	10.0	10.8	420	UN 3H1/Y 1.9	34.5	230 x 310 x 190	168 x 160	80/1,336

All specifications for natural colour, Neck DIN 45

*Besides natural colour also stocked in blue colour

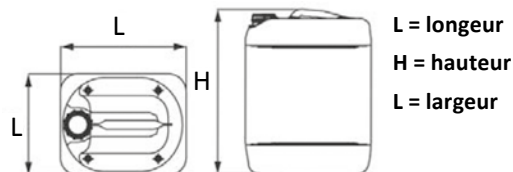
Suitable for food.

Environmentally friendly: non-residue emptying, genuine disposal (100 % HDPE).

Approvals for common hazardous goods (according to corresponding approval).

Other colours and special embossing by request.

Caps are available in many different colours and sizes.



Suitable for Europaletts
Stackable
Environmentally friendly

OPTI-RIB® HDPE JERRYCANS 10 LITRES

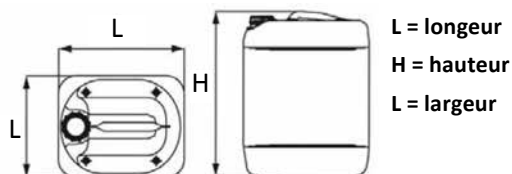
Natural colour
Available in stock
Neck DIN 50



Order no.	Reference no.	Nominal capacity litre	Overflow capacity litres	Weight grams	Approval for hazardous goods no.	Neck i. o. mm	Dimensions L x H x W mm	Labelfield area: H x W mm	Europalett qty/height pcs/mm
2000095809	722.006.03	10.0	10.8	360	UN 3H1/Y 1.6	40.5	230 x 310 x 190	168 x 160	80/1,336
2000092742	722.006.20	10.0	10.8	380	UN 3H1/Y 1.9	40.5	230 x 310 x 190	168 x 160	80/1,336
2000090643	722.006.06*	10.0	10.8	420	UN 3H1/Y 1.9	40.5	230 x 310 x 190	168 x 160	80/1,336
2000095642	722.006.30	10.0	10.8	450	UN 3H1/X 1.9	40.5	230 x 310 x 190	168 x 160	80/1,336

All specifications for natural colour, Neck DIN 50

*Besides natural colour also stocked in blue colour



L = longueur

H = hauteur

L = largeur

Suitable for food.

Environmentally friendly: non-residue emptying, genuine disposal (100 % HDPE).

Approvals for common hazardous goods (according to corresponding approval).

Other colours and special embossing by request.

Caps are available in many different colours and sizes.



OPTI-RIB® HDPE JERRYCANS HDPE 10 LITRES

Suitable for Europaletts
Stackable
Environmentally friendly

Natural colour
Available in stock
Neck DIN 55



Order no.	Reference no.	Nominal capacity litre	Overflow capacity litres	Weight grams	Approval for hazardous goods no.	Neck i. o. mm	Dimensions L x H x W mm	Label field area: H x W mm	Europalett qty/height pcs/mm
2000095974	723.010.01	10.0	10.8	360	UN 3H1/Y 1.6	44,5	230 x 310 x 190	168 x 160	80/1,336
2000095975	723.010.03	10.0	10.8	380	UN 3H1/Y 1.9	44,5	230 x 310 x 190	168 x 160	80/1,336
2000096935	723.010.08*	10.0	10.8	420	UN 3H1/Y 1.9	44,5	230 x 310 x 190	168 x 160	80/1,336
2000085882	723.010.11	10.0	10.8	450	UN 3H1/X 1.9	44,5	230 x 310 x 190	168 x 160	80/1,336

All specifications for natural colour, neck DIN 55

*Besides natural colour also stocked in blue colour

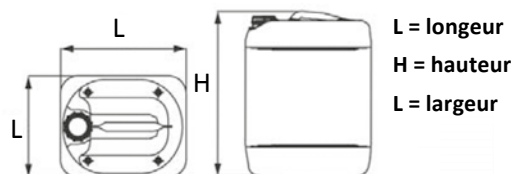
Suitable for food.

Environmentally friendly: non-residue emptying, genuine disposal (100 % HDPE).

Approvals for common hazardous goods (according to corresponding approval).

Other colours and special embossing by request.

Caps are available in many different colours and sizes.



Suitable for Europaletts
Stackable
Environmentally friendly

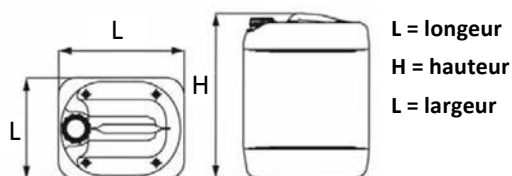
OPTI-RIB® HDPE JERRYCANS 12 LITRES



Natural colour
Neck DIN 45 und 55

Order no.	Reference no.	Nominal capacity litre	Over-flow capacity litres	Weight grams	Approval for hazardous goods no.	Neck i. o. mm	Dimensions L x H x W mm	Label field area: H x W mm	Europalett qty/height pcs/mm
2000086363	DIN 45 723.012.00	12.0	12.8	460	UN 3H1/Y 1.9	34,5	230 x 356 x 190	222 x 160	60/1,182
2000086397	DIN 55 723.012.50	12.0	12.8	460	UN 3H1/Y 1.9	44,5	230 x 356 x 190	222 x 160	60/1,182
200008691	DIN 45 723.012.20	12.0	12.7	550	UN 3H1/Y 1.9	34,5	230 x 356 x 190	222 x 160	60/1,182
2000086399	DIN 55 723.012.60	12.0	12.7	550	UN 3H1/Y 1.9	44,5	230 x 356 x 190	222 x 160	60/1,182

All specifications for natural colour, neck DIN 45 und 55



Suitable for food.

Increased stability through inner ribs.

Environmentally friendly: non-residue emptying, genuine disposal (100 % HDPE).

Approvals for common hazardous goods (according to corresponding approval).

Other colours and special embossing by request.

Caps are available in many different colours and sizes.



OPTI-RIB® HDPE JERRYCANS 15 LITRES “A” SERIES

Suitable for Europaletts
Stackable
Environmentally friendly

Natural colour
Neck DIN 60



Order no.	Reference no.	Nominal capacity litre	Overflow capacity litres	Weight grams	Approval for hazardous goods no.	Neck i. o. mm	Dimensions L x H x W mm	Labelfield area: H x W mm	Europalett qty/height pcs/mm
2000086815	723.015.02	15.0	16.5	900	UN 3H1/X 1.9*	49.0	290 x 309 x 246	155 x 225	48/1,371

All specifications for natural colour, neck DIN 60

*Plantcare certification only

Suitable for food.

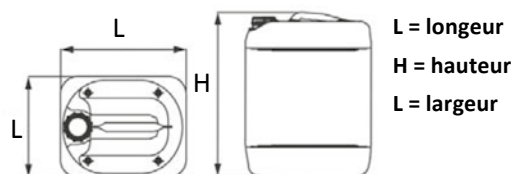
View strip optional.

Increased stability through inner ribs.

Environmentally friendly: non-residue emptying, genuine disposal (100 % HDPE).

Other colours and special embossing by request.

Caps are available in many different colours and sizes.



Suitable for Europaletts
Stackable
Environmentally friendly

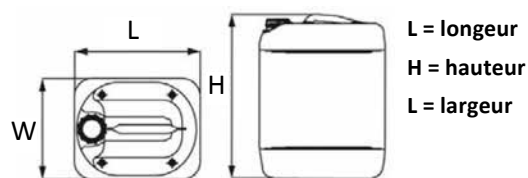
OPTI-RIB® HDPE JERRYCANS 15 LITRES "F" SERIES

Natural colour
Neck DIN 60



Order no.	Reference no.	Nominal capacity litre	Overflow capacity litres	Weight grams	Approval for hazardous goods no.	Neck i. o. mm	Dimensions L x H x W mm	Label field area: H x W mm	Europalett qty/height pcs/mm
2000096966	724.015.04	15.0	17.0	715	UN 3H1/Y 1.9	49.0	259 x 353 x 237	150 x 190	45/1,379

All specifications for natural colour, neck DIN 60



Suitable for food.

View strip optional.

Increased stability through inner ribs

Environmentally friendly: non-residue emptying, genuine disposal (100 % HDPE).

Approvals for common hazardous goods (according to corresponding approval).

Other colours and special embossing by request.

Caps are available in many different colours and sizes.



OPTI-RIB® HDPE JERRYCANS 20 LITRES "A" SERIES

Suitable for Europaletts
Stackable
Environmentally friendly



Natural colour
Available in stock
Neck DIN 60

Order no.	Reference no.	Nominal capacity litre	Overflow capacity litres	Weight grams	Approval for hazardous goods no.	Neck i. o. mm	Dimensions L x H x W mm	Labelfield area: H x W mm	Europalett qty/height pcs/mm
2000095771	723.020.20*	20.0	22.6	775	UN 3H1/Y 1.9	49.0	290 x 385 x 246	225 x 220	36/1,295
2000096138	723.020.31*	20.0	22.0	950	UN 3H1/X 1.9	49.0	290 x 385 x 246	225 x 220	36/1,295
2000095770	723.020.22*	20.0	22.0	1.200	UN 3H1/X 1.9**	49.0	290 x 385 x 246	225 x 220	36/1,295

All specifications for natural colour, neck DIN 60

*Besides natural colour also stocked in blue colour **Including plantcare certification

Suitable for food.

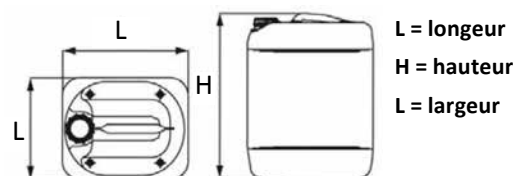
View strip optional.

Environmentally friendly: non-residue emptying, genuine disposal (100 % HDPE).

Approvals for common hazardous goods (according to corresponding approval).

Other colours and special embossing by request.

Caps are available in many different colours and sizes



Suitable for Europaletts
Stackable
Environmentally friendly

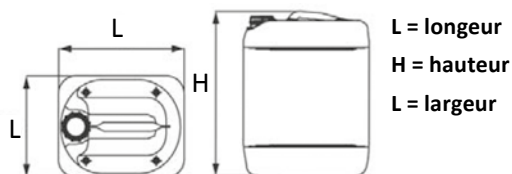
OPTI-RIB® HDPE JERRYCANS 20 LITRES "F" SERIES



Order no.	Reference no.	Nominal capacity litre	Over-flow capacity litres	Weight grams	Approval for hazardous goods no.	Neck i. o. mm	Dimensions L x H x W mm	Labelfield area: H x W mm	Europalett qty/height pcs/mm
2000096968	DIN 60 724.021.00*	20.0	22.1	750	UN 3H1/Y 1.9	49.0	259 x 430 x 237	215 x 180	45/1,410
2000097504	DIN 60 724.021.04	20.0	22.1	860	UN 3H1/Y 1.9	49.0	259 x 430 x 237	215 x 180	45/1,410
2000097917	DIN 63 724.022.00	20.0	22.1	750	UN 3H1/Y 1.4**	54.7	259 x 430 x 237	215 x 180	45/1,410

All specifications for natural colour, neck DIN 60 and 63

*Besides natural colour also stocked in blue colour **Including plantcare certification



L = longueur

H = hauteur

L = largeur

Suitable for food.

View strip optional.

Stackable, 15 Jerrycans per layer.

Environmentally friendly: non-residue emptying, genuine disposal (100 % HDPE).

Approvals for common hazardous goods (according to corresponding approval).

Other colours and special embossing by request.

Caps are available in many different colours and sizes.



OPTI-RIB® HDPE JERRYCANS 25 LITRES

View strip
Stackable
Environmentally friendly

Natural colour
Available in stock
Neck DIN 60



Order no.	Reference no.	Nominal capacity litre	Overflow capacity litres	Weight grams	Approval for hazardous goods no.	Neck i. o. mm	Dimensions L x H x W mm	Labelfield area: H x W mm	Europalett qty/height pcs/mm
2000086791	723.025.82*	25.0	27.6	850	UN 3H1/Y 1.9	49.0	290 x 450 x 246	225 x 220	36/1,490
	723.025.84*	25.0	27.1	1.100	UN 3H1/X 1.9	49.0	290 x 450 x 246	225 x 220	36/1,490

All specifications for natural colour, neck DIN 60

*Besides natural colour also stocked in blue colour

Suitable for food.

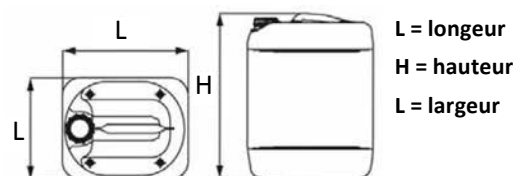
View strip optional.

Environmentally friendly: non-residue emptying, genuine disposal (100 % HDPE).

Approvals for common hazardous goods (according to corresponding approval).

Other colours and special embossing by request.

Caps are available in many different colours and sizes.



View strip
Stackable
Environmentally friendly

OPTI-RIB® HDPE JERRYCANS 30 LITRES

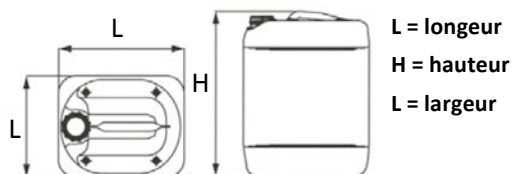


Natural colour
Available in stock
Neck DIN 60

Order no.	Reference no.	Nominal capacity litre	Overflow capacity litres	Weight grams	Approval for hazardous goods no.	Neck i. o. mm	Dimensions L x H x W mm	Labelfield area: H x W mm	Europalett qty/height pcs/mm
2000095781	723.030.20*	30.0	33.5	1,050	UN 3H1/Y 1.9	49.0	320 x 435 x 284	250 x 225	36/1,445
2000095981	723.030.27*	30.0	33.5	1,250	UN 3H1/X 1.9	49.0	320 x 435 x 284	250 x 225	36/1,445

All specifications for natural colour, neck DIN 60

*Besides natural colour also stocked in blue colour



Suitable for food.

View strip optional.

Environmentally friendly: non-residue emptying, genuine disposal (100 % HDPE).

Approvals for common hazardous goods (according to corresponding approval).

Other colours and special embossing by request.

Caps are available in many different colours and sizes.





Caps

Type of cap	Neck			
	DIN 45	DIN 50	DIN 55	DIN 60
safety cap	x	x	x	x
degassing cap	x	x	x	x
child-proof cap	x			

Special accessories

	Neck			
	DIN 45	DIN 50	DIN 55	DIN 60
closure with stopcock	x	x	x	x
dispensing pump	x	x		x
closure wrench	x	x	x	x

Dispensing pump and closure with stopcock in white/red available ex stock.

Closure wrench in black available ex stock.

On request we can provide information to the matching closure for UN-certifications according to the intended use.



5-10 liter jerrycans
Different sizes

Sleeving

- For all packing and plant care Jerrycans from 5 up to 10 litres
- Other sizes and designs by request

Labelling

- For all packing Jerrycans from 5 up to 30 litres
- Other sizes on request
- Accurate placing by fully automated application of your individual decoration

5-30 liter jerrycans
Accurate placing



KNOW HOW AND COMPETENCE

FOR SUCCESSFUL PRODUCTS

KAUTEX Textron has been specialised in manufacturing extrusion-blown plastic containers for 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.

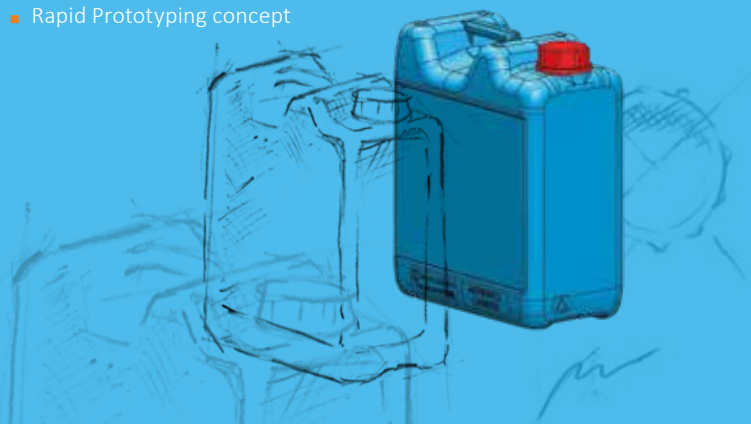


Standard Packaging

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

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





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 ex stock
- UN approval available

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



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.

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 productions 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.

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 und oils

DATA SHEET FOR THERMOPLASTICS IN GENERAL

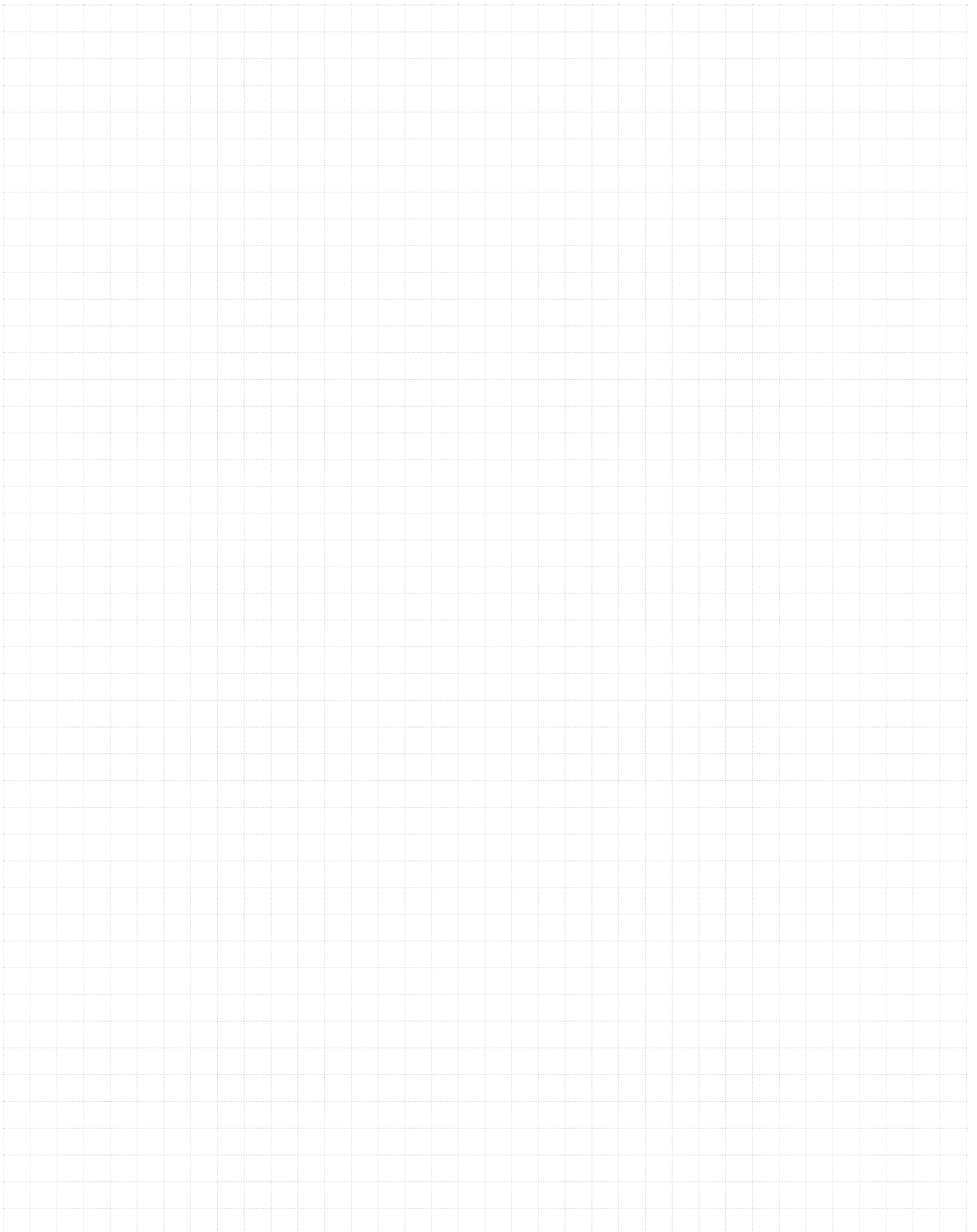
		Low density Polyethylene LDPE	High density Polyethylene HDPE	Polypropylene PP	PVC rigid	Co-Polyester PETG	Polyamide	Polycarbonate
Physical properties of thermoplastics	natural colour	transparent	translucent white	transparent	crystal clear	crystal clear	up to 0.5 mm wall thickness crystal clear	crystal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

This information only provides a general indication.

Chemical properties of thermoplastics	resistant against	non oxidising alkalis, organic solvents, excl. chlorinated hydrocarbons; it is advisable to carry out storage tests for testing diffusion		see LDPE/HPDE	acids, alkalis, petrol, oil, fats, turpentine, alcohol	petrol, oils, fats, turpentine	petrol, benzene, chlorinated hydrocarbons, oils, fats	weak acids
	not resistant against	oxidising acids, oils, fats, chlorinated hydrocarbons	oxidising acids, chlorinated hydrocarbons	oxidising acids, oils, fats, chlorinated hydrocarbons	esters, ketone, benzene, chlorinated hydrocarbons, hydrogen sulphide	esters, ketone, benzene, chlorinated hydrocarbons	acids, alkalis, alcohol, water	alkalis, strong acids, ester-benzene, chlorinated hydrocarbons

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 contents	cosmetic preparations, foodstuffs and chemicals	see LDPE, aromatic hydrocarbons, oils, fats	cosmetic preparations, foodstuffs and chemicals	wash polish, petrol, oils, fats, shoe cream, cosmetic preparations, foodstuffs	cosmetic preparations, foodstuffs	petrol, oils, fats, stain remover (tri, tetra)	cosmetic preparations, foodstuffs
	transformation of contents	none caused by the material itself, possibly due to diffusion			-	-	drying out without becoming moist due to diffusion of water	none caused by material itself, possibly due to diffusion
	printing-options	Screen printing	Screen printing	Screen printing	Screen printing	Screen printing	Screen printing	Screen printing
	engraving suitability	good	good	very good	vulnerable to cracking around sharp edges	vulnerable to cracking around sharp edges	vulnerable to cracking around sharp edges	vulnerable to cracking around sharp edges
	operational temperature	-40 °C to 95 °C	-40 °C to 110 °C	0 °C to 130 °C	-30 °C to 70 °C	0 °C to 65 °C	0 °C to 80 °C	-40 °C to 115 °C



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 2001/95/EC 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://www.tes.bam.de/php/d-bam/index.php?id=zulassung&lang=en>

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.

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 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.

7 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.

8 Information

Further information are listed in the brochure of “Industrievereinigung Kunststoffverpackungen e.V.” (also in english): http://www.kunststoffverpackungen.de/technische_broschueren_5079.html



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