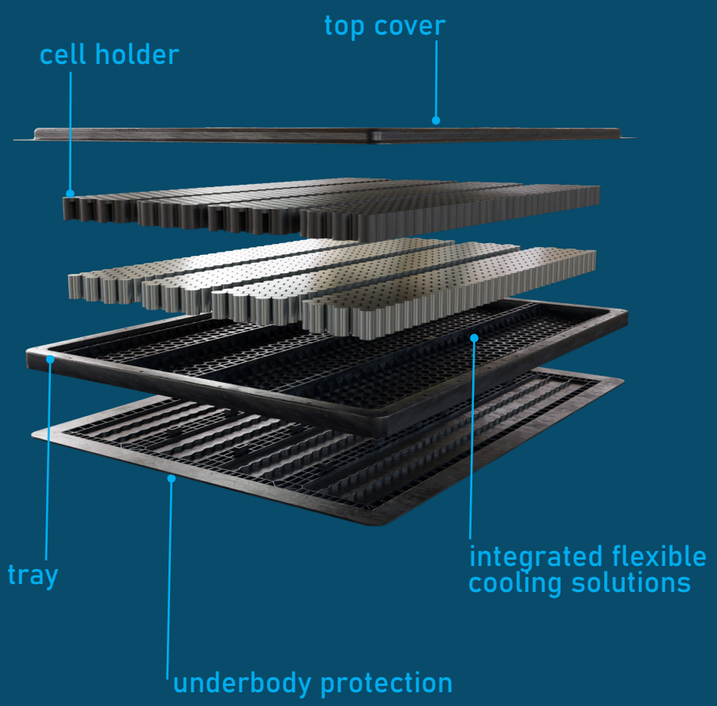
pentatonic™
composite battery enclosures
for cell to pack and cell to module technologies



KAUTEX
A Textron Company

www.kautex.com

KAUTEX
A Textron Company

As vehicles grow in complexity, their components and systems must evolve to work in concert

With our lightweight and fully customizable Pentatonic™ Battery Enclosures, they can do just that, unlike other heavy and unyielding and aluminum battery enclosures. From hybrid vehicles to full battery electric vehicles, Pentatonic has the composite battery housing solution for any customer.

Benefits

WEIGHT REDUCTION

Pentatonic weighs up to 30% less than steel and 20% less than aluminum, which helps improve vehicle range and allows the opportunity for engineered design chassis adjustments.

ROAD AND LAB TESTED

As pioneers in global plastic fuel tank production, Kautex's expertise in engineering and testing continues to its non-conductive and non-corroding Pentatonic enclosures.

Kautex has retrofitted Pentatonic battery enclosures in three existing electric vehicles which have road tested for more than 35,000 miles. Our ongoing engineering capabilities include both computer-aided simulation and controlled tests such as Fire, Leak Tightness, Bottom Crush, Scaping, Ball Shot and Bollard Test to meet OEM requirements.

SUSTAINABILITY

CO2 emissions are reduced with our Pentatonic enclosures through a full life cycle assessment consisting of low energy materials, low weight, supply chain collaboration, and other methods.

Kautex has ongoing projects to reduce our carbon footprint further, identify proper end of life and production scrap recycling, and improve energy consumption. Kautex received an A- rating from CDP, a global disclosure system for investors and companies to manage their environmental impacts, a testament to Kautex's commitment to this cause.

STREAMLINED PRODUCTION

With proven capabilities in design, prototyping, testing and global production, Kautex is a trusted partner in creating a streamlined one-shot approach to produce and assemble high quality engineered battery enclosures as fast as 120 seconds per part.