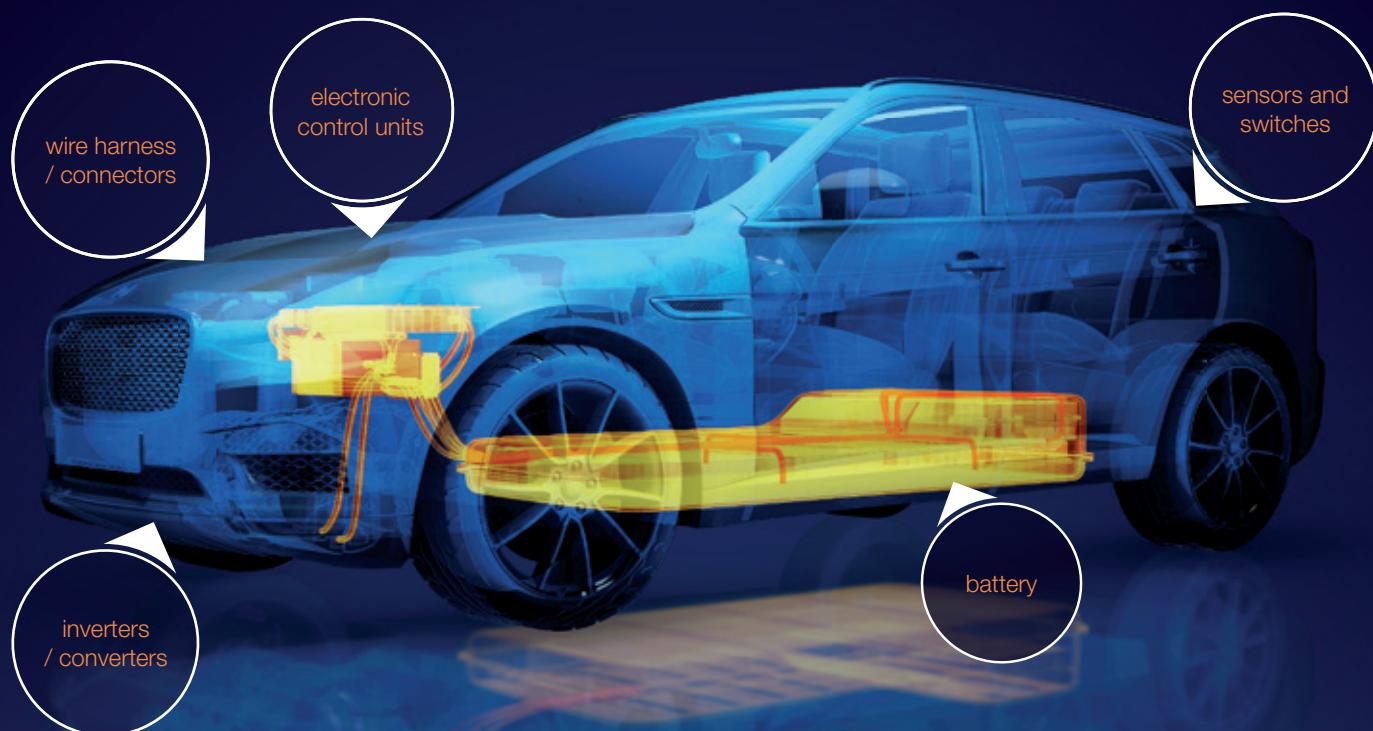


Araldite®

Encapsulants for battery and power electronics



Araldite® encapsulants protect sensitive devices, improve thermal management and meet new temperature resistance requirements

Araldite® encapsulants increase performance of various electronic parts in the electrified powertrain

Key features

- > High flexibility and crack resistance
- > High thermal conductivity
- > Excellent thermal endurance
- > High voltage resistance
- > Excellent chemical resistance
- > Long-lasting and reliable sealing

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Encapsulants for battery and power electronics

Encapsulant for battery Araldite® CW 1312 / Aradur® HY 1300	Encapsulant for power electronics Araldite® CW 1302 / Aradur® HY 1300
Glass transition temperature (Tg) 21°C	Glass transition temperature (Tg) 75°C
Thermal conductivity 1.1 W/(m·K)	Thermal conductivity 0.9 W/(m·K)
Increased heat conductivity. Flammability certification UL 94 V-0 (3.2 mm). Low curing temperature and Tg enabling low thermally induced stress	Good heat conductivity and thermal endurance (Class H). Flammability certification UL 94 V-0 (3.0 mm) and HB (1.5 mm).

Encapsulant for power electronics Araldite® CW 1195 / Aradur® HW 1196	Encapsulant for power electronics Araldite® CW 30039
Glass transition temperature (Tg) 140°C	Glass transition temperature (Tg) 184°C
Thermal conductivity 0.7 W/(m·K)	Thermal conductivity 0.7 W/(m·K)
Fast fill and cure times enabling fast processing. Low coefficient of thermal expansion ($28 \cdot 10^{-6}$ 1/K). Flammability certification UL 94 V-0 (6.0 mm) and thermal endurance (Class H).	Minimum thermal expansion of $20 \cdot 10^{-6}$ 1/K up to 184°C. Toughened resin with reinforcing fillers for superior crack and thermoshock resistance. Monocomponent with strong viscosity drop above 60°C for fast processing.

Learn more on www.huntsman-emobility.com

For any other information, please send an e-mail to advanced_materials@huntsman.com

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