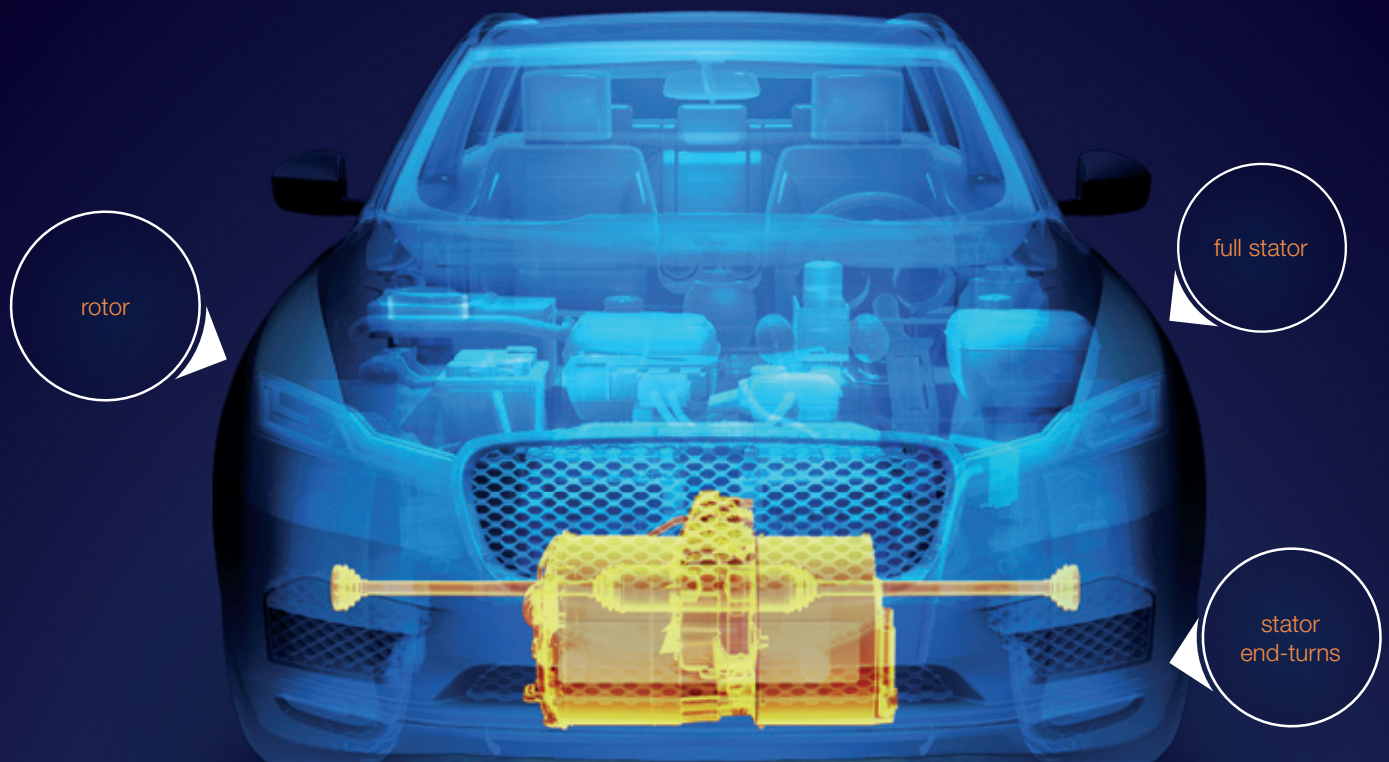


Araldite®

Encapsulants and impregnation resins for e-motor



Araldite® encapsulants and impregnation resins for e-motor improve heat dissipation and extend lifetime

Araldite® encapsulants and epoxy impregnation resins increase performance of rotor, full stator and stator end-turns

Key features

- > High thermal conductivity
- > Excellent thermal endurance
- > Excellent impregnation and fast gap filling
- > High crack resistance
- > Excellent chemical resistance
- > Tailored for fast processing

Araldite®

Encapsulants and impregnation resins for e-motor

<p>Encapsulant for stator end-turns Araldite® CW 2731</p> <p>Glass transition temperature (Tg) 165°C</p> <p>Thermal conductivity 3.0 W/(m·K)</p> <p>1-c epoxy system for end-turn encapsulation. Very high thermal conductivity and endurance. Excellent resistance to atmospheric and chemical degradation.</p>	<p>Encapsulant for rotors Araldite® CW 30386 / Aradur® HW 30387</p> <p>Glass transition temperature (Tg) 200°C</p> <p>Thermal conductivity 0.7 W/(m·K)</p> <p>High Tg and lowest thermal expansion within the complete operation range. Very high thermal and chemical endurance. Fast gel and cure times.</p>	<p>Encapsulant for stators Araldite® CW 30334 / Aradur® HW 30335</p> <p>Glass transition temperature (Tg) 100°C</p> <p>Thermal conductivity 1.2 W/(m·K)</p> <p>Well balanced properties: good heat conductivity, very good crack resistance, media and thermal resistance. Excellent flow properties allow for fast filling times and good impregnation.</p>
<p>Encapsulant for stators Araldite® CW 30407 / Aradur® HW 30408</p> <p>Glass transition temperature (Tg) 70°C</p> <p>Thermal conductivity 1.1 W/(m·K)</p> <p>Good flow properties and fast curing times (<1h at 120°C). Very good crack resistance and high heat conductivity of 1.1 W/(m·K). Anhydride-free.</p>	<p>Encapsulant for stators Araldite® CW 30407 / Aradur® HY 30409</p> <p>Glass transition temperature (Tg) 70°C</p> <p>Thermal conductivity 0.8 W/(m·K)</p> <p>Excellent flow properties and fast curing times (<1h at 120°C). Very good crack resistance and low density. Anhydride-free.</p>	<p>Encapsulant for stators Araldite® CW 30326 / Aradur® HW 30327</p> <p>Glass transition temperature (Tg) 115°C</p> <p>Thermal conductivity 0.7 W/(m·K)</p> <p>Good gap filling capability and heat conductivity. Toughened resin with reinforcing fillers for superior crack and thermoshock resistance. Very high thermal and chemical endurance.</p>
<p>2-c system for trickle impregnation Araldite® CY 38340 / Aradur® 38341</p> <p>Glass transition temperature (Tg) 140°C</p> <p>Thermal conductivity 0.2 W/(m·K)</p> <p>2-c epoxy system for trickle impregnation and shelf life of many years. Fast cure times at low temperatures. High toughness and good adhesion.</p>	<p>1-c system for trickle impregnation Araldite® 38500</p> <p>Glass transition temperature (Tg) 160°C</p> <p>Thermal conductivity 0.2 W/(m·K)</p> <p>1-c epoxy system for trickle impregnation. Fast cure times and high Tg. Improved wetting and adhesion to primary insulation.</p>	<p>1-c system for dipping impregnation Araldite® 38600</p> <p>Glass transition temperature (Tg) 90°C</p> <p>Thermal conductivity 0.2 W/(m·K)</p> <p>1-c epoxy system for dipping impregnation. Low bath viscosity and high bath stability. Flexible system with improved crack resistance.</p>

Learn more on www.huntsman-emobility.com

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