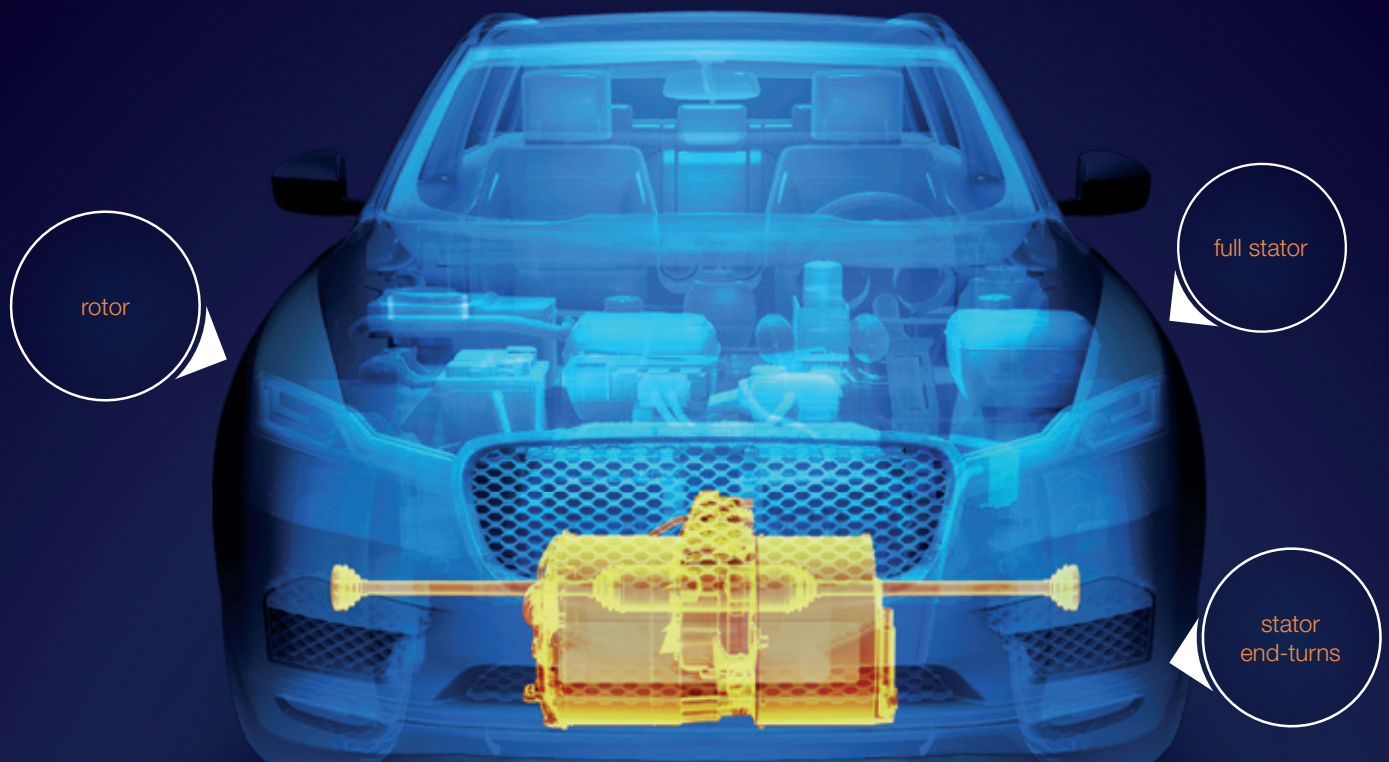


# Araldite®

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 <b>Araldite® CW 2731</b></p> <p>Glass transition temperature (Tg) <b>165°C</b></p> <p>Thermal conductivity <b>3.0 W/(m-K)</b></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 <b>Araldite® CW 30386 / Aradur® HW 30387</b></p> <p>Glass transition temperature (Tg) <b>200°C</b></p> <p>Thermal conductivity <b>0.7 W/(m-K)</b></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 <b>Araldite® CW 30334 / Aradur® HW 30335</b></p> <p>Glass transition temperature (Tg) <b>100°C</b></p> <p>Thermal conductivity <b>1.2 W/(m-K)</b></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 <b>Araldite® CW 30407 / Aradur® HW 30408</b></p> <p>Glass transition temperature (Tg) <b>70°C</b></p> <p>Thermal conductivity <b>1.1 W/(m-K)</b></p> <p>Good flow properties and fast curing times (&lt;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 <b>Araldite® CW 30407 / Aradur® HY 30409</b></p> <p>Glass transition temperature (Tg) <b>70°C</b></p> <p>Thermal conductivity <b>0.8 W/(m-K)</b></p> <p>Excellent flow properties and fast curing times (&lt;1h at 120°C). Very good crack resistance and low density. Anhydride-free.</p>	<p>Encapsulant for stators <b>Araldite® CW 30326 / Aradur® HW 30327</b></p> <p>Glass transition temperature (Tg) <b>115°C</b></p> <p>Thermal conductivity <b>0.7 W/(m-K)</b></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 <b>Araldite® CY 38340 / Aradur® 38341</b></p> <p>Glass transition temperature (Tg) <b>140°C</b></p> <p>Thermal conductivity <b>0.2 W/(m-K)</b></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 <b>Araldite® 38500</b></p> <p>Glass transition temperature (Tg) <b>160°C</b></p> <p>Thermal conductivity <b>0.2 W/(m-K)</b></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 <b>Araldite® 38600</b></p> <p>Glass transition temperature (Tg) <b>90°C</b></p> <p>Thermal conductivity <b>0.2 W/(m-K)</b></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](http://www.huntsman-emobility.com)

For any other information, please send an e-mail to [advanced\\_materials@huntsman.com](mailto:advanced_materials@huntsman.com)

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