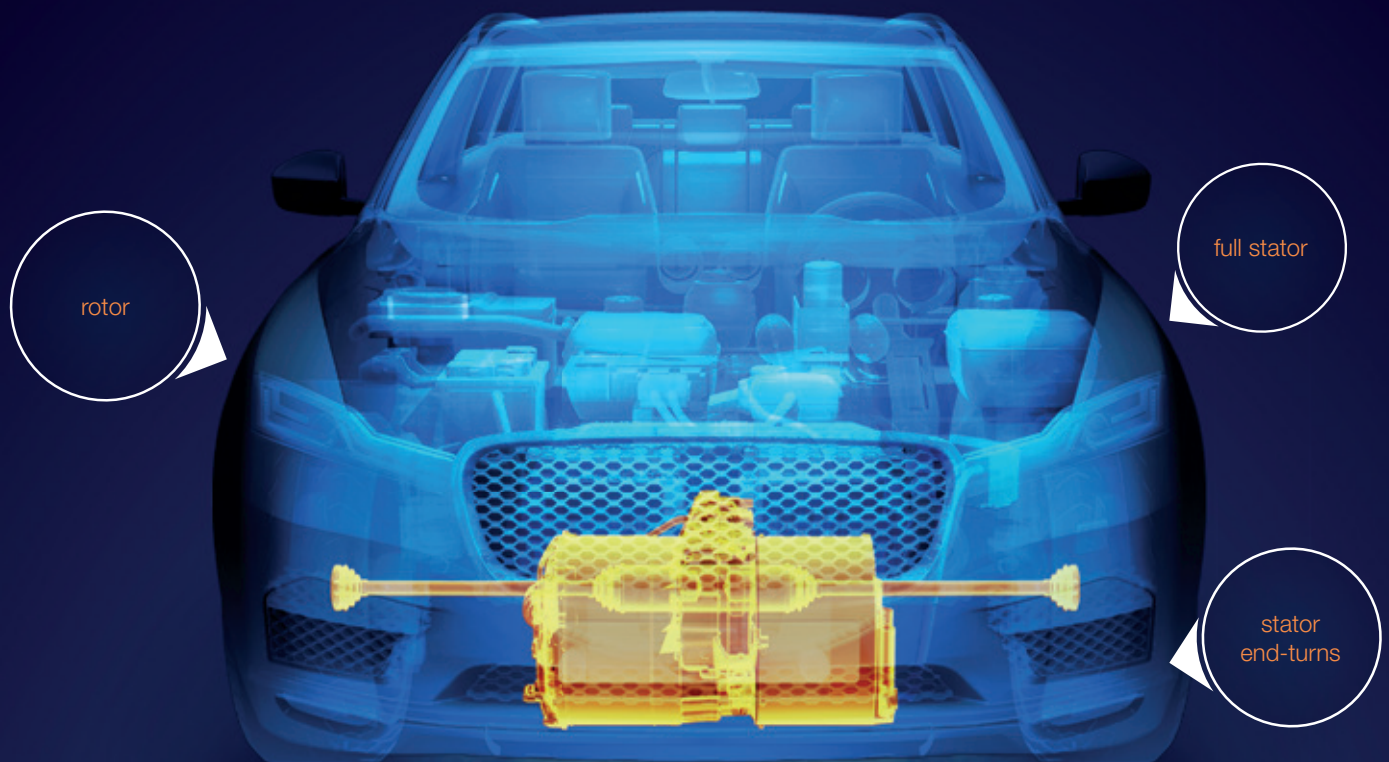


Araldite®

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

Encapsulant for stator end-turns Araldite® CW 2731	Encapsulant for rotors Araldite® CW 30386 / Aradur® HW 30387	Encapsulant for rotors and stators Araldite® CW 5742 / Aradur® HY 5726
Glass transition temperature (Tg) 165°C	Glass transition temperature (Tg) 195°C	Glass transition temperature (Tg) 210°C
Thermal conductivity 3.0 W/(m·K)	Thermal conductivity 0.7 W/(m·K)	Thermal conductivity 0.65 W/(m·K)
Very high thermal conductivity and endurance. Excellent resistance to atmospheric and chemical degradation. Monocomponent, storage stable at room temperature.	High Tg and lowest thermal expansion within the complete operation range. Very high thermal and chemical endurance (Class H). Fast curing	Superior flow and gap filling capabilities enabling fast processing times. High Tg enabling low thermal expansion within the complete operation range. Very high thermal and chemical endurance (Class N).
Encapsulant for stators Araldite® CW 30334 / Aradur® HW 30335	Encapsulant for stators Araldite® CW 30407 / Aradur® HW 30408	Encapsulant for stators Araldite® CW 30325 / Aradur® HW 30328
Glass transition temperature (Tg) 100°C	Glass transition temperature (Tg) 75°C	Glass transition temperature (Tg) -20°C
Thermal conductivity 1.2 W/(m·K)	Thermal conductivity 1.1 W/(m·K)	Thermal conductivity 1.1 W/(m·K)
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.	Excellent crack resistance (K1C 4.0). Fastest processing / curing.	Good gap filling capability and improved heat-conductivity. Highly flexible material with reinforcing fillers for superior crack and thermoshock resistance.
Encapsulant for stators Araldite® CW 30326 / Aradur® HW 30327	1k system for impregnation Araldite® 38400	2k system for trickle impregnation Araldite® CY 38340 / Aradur® 38341
Glass transition temperature (Tg) 115°C	Glass transition temperature (Tg) 120°C	Glass transition temperature (Tg) 145°C
Thermal conductivity 0.7 W/(m·K)	Thermal conductivity 0.2 W/(m·K)	Thermal conductivity 0.2 W/(m·K)
Good gap filling capability and heat conductivity. Toughened resin with reinforcing fillers for superior crack and thermoshock resistance. Very high thermal and chemical endurance (Class H).	Monocomponent impregnation system. Class H (IEC 60085, UL 1446). Long shelf life and bath stability.	Bicomponent system for trickle impregnation. 0.15 – 0.25 %wt. water absorption (30min/100°C). Total cure time 30min 150°C.

Learn more on www.huntsman-emobility.com

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