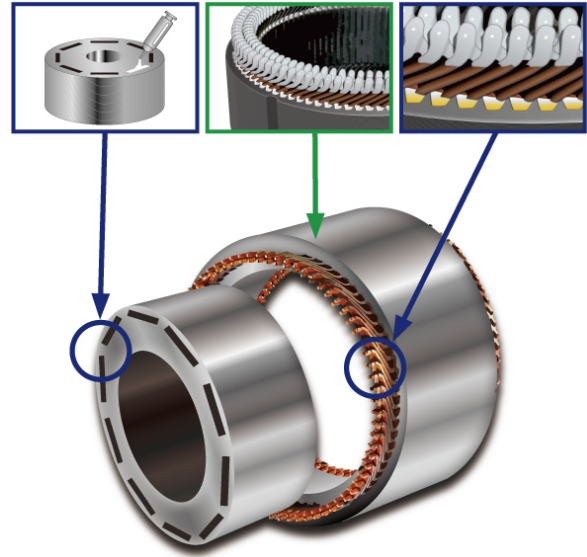


HYBRID (HEV) and EV MOTORS

Somar Epiform® Epoxy Powder and Liquid grades for HEV and EV motors meet the high-performance requirement of next-generation vehicles and have a proven track record of adoption globally



APPLICATIONS

- Terminal Coating
- Coil Impregnation
- Magnet Adhesive

Epoxy Powder

Applications	Features	Grade	Curing conditions (°C x min)	Tg (°C)	UL 94 Approval
Terminal Coating	Low CTE, Long Term Heat Resistance	F-6975	190 x 20	130	UL 1446 Class H (180 °C)
	Adhesion, High Heat Resistance	F-7157	190 x 20	130	UL 1446 Class H (180 °C)
	Adhesion	F-608	-	110	UL 746B Class B (130 °C)

All figures are representative

Epoxy Liquid

Application	Feature	Grade	Curing Condition (°C x min)	Mixing ratio	Mixed Viscosity (Pa.s/25 °C)	Tg (°C)
Coil Impregnation	High and long-term heat resistance	E-530	150 x 60	1 part	2.7	180
	Low Viscosity, Heat resistance	K-8840	150 x 30	100:92	0.7	125
Magnet Adhesive	Flexibility, ATF Oil resistance	K-9321	120 x 40	100:30	25	0
	Flexibility, Cold cure	K-9339	25 x (24 x 60)	100:100	3.2	-5
	Adhesion, Thixotropy	E-9565	150 x 30	1 part	88	150
	Low Linear Expansion Coefficient	E-8982-2	150 x 30	1 part	17	150
	High heat resistance	E-8839	150 x 30	1 part	47	155
	Medium Viscosity, ATF Oil resistance	K-9285	160 x 30	100:15	25	130

All values are representative