

Epic Epoxy 0161

Epoxy; Epoxide

Epic Resins

Message:

Epic 0161 is a filled, medium viscosity one component epoxy resin ideally suited for harsh environments that require exposure to such items as aviation fuels, Skydrol(R), gasoline, transmission fluid, as well as other hydraulic fluids. Epic 0161 processes in less than 30 minutes at 175C and possesses great shelf stability for a one component epoxy.

General Information	
Filler / Reinforcement	Filler
Features	Fuel Resistant
	Gasoline Resistance
	Medium Viscosity
Uses	Electrical/Electronic Applications
	Electronic Insulation
RoHS Compliance	RoHS Compliant
Processing Method	Encapsulating
	Potting

Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.21 to 2.26	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 25°C)	87 to 91		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	110 to 120	°C	ASTM E1356
CLTE - Flow	3.1E-5 to 3.4E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.9E+15 to 2.1E+15	ohms · cm	ASTM D257
Dielectric Strength (0.508 mm)	> 22	kV/mm	ASTM D149
Dielectric Constant (100 kHz)	5.42 to 5.98		ASTM D2520
Dissipation Factor (100 kHz)	0.011 to 0.013		ASTM D150
Thermoset	Nominal Value	Unit	Test Method
Pot Life (150°C)	2.0 to 4.0	min	
Thermoset Mix Viscosity (25°C)	65000 to 70000	cP	ASTM D2393

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