

Epic Urethane S7348-01

Polyurethane

Epic Resins

Message:

Epic S7348-01 is a two component urethane potting compound which is recognized for UL 94 V-0 fire retardancy testing at 2.0 mm. S7348-01 is a thermally conductive potting compound providing a relatively low mixed viscosity as well as a moderate gel time.

General Information	
Features	Low Viscosity
	Thermally Conductive
Uses	Electrical/Electronic Applications
	Electronic Insulation
RoHS Compliance	RoHS Compliant
Processing Method	Encapsulating
	Potting

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.50 to 1.52	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 25°C)	78 to 82		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	32.0 to 36.0	°C	ASTM E1356
CLTE - Flow	6.7E-5 to 7.3E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	7.0E+14 to 9.0E+14	ohms · cm	ASTM D257
Dielectric Strength (2.79 mm)	20	kV/mm	ASTM D149
Dielectric Constant (100 kHz)	3.80 to 4.00		ASTM D2520
Dissipation Factor (100 kHz)	0.020 to 0.030		ASTM D150
Thermoset	Nominal Value	Unit	Test Method

Thermoset Components	
Part A	Mix Ratio by Volume: 100
Part A	Mix Ratio by Weight: 100
	Mix Ratio by Volume: 26
Part B	
	Mix Ratio by Weight: 20

Pot Life ¹ (25°C)	10 to 15	min	
Thermoset Mix Viscosity (25°C)	3800 to 4700	cP	ASTM D2393
NOTE			
1.	150 Gram Mass		

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