

Epic Epoxy S7230

Epoxy; Epoxide

Epic Resins

Message:

Epic S7230 is a medium viscosity, two component epoxy resin system designed for potting or encapsulation of electrical components. S7230 features nonabrasive fillers, convenient 2:1 mix ratio and improved resistance to thermal shock.

General Information			
Filler / Reinforcement	Filler		
Features	Medium Viscosity		
Uses	Electrical/Electronic Applications		
	Electronic Insulation		
RoHS Compliance	RoHS Compliant		
Processing Method	Encapsulating		
	Potting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27 to 1.32	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 25°C)	77 to 83		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	42.0 to 46.0	°C	ASTM E1356
CLTE - Flow	4.8E-5 to 5.3E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	2.0E+14 to 2.2E+14	ohms·cm	ASTM D257
Dielectric Strength (2.03 mm)	22 to 24	kV/mm	ASTM D149
Dielectric Constant (100 kHz)	3.99 to 4.41		ASTM D2520
Dissipation Factor (100 kHz)	0.025 to 0.027		ASTM D150
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
	Mix Ratio by Volume: 2.0		
Part A	Mix Ratio by Weight: 100		
	Mix Ratio by Volume: 1.0		
Part B	Mix Ratio by Weight: 34		
Pot Life ¹ (25°C)	240 to 360	min	

Thermoset Mix Viscosity (25°C)	1700 to 2300	cP	ASTM D2393
NOTE			

1. 200 Gram Mass

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