

Epic Epoxy S7065-02

Epoxy; Epoxide

Epic Resins

Message:

Epic S7065-02 is a two component heat cure epoxy potting system developed for the impregnation and potting of high voltage coils for a maximum of environmental protection. This filled epoxy casting system features a 100:34 mix ratio by weight and non-abrasive fillers, making it well suited for most meter-mix / dispense systems. This system is UL 94 V-0 recognized at 1.6mm.

General Information			
Filler / Reinforcement	Filler		
Features	Heat Cure		
Uses	Electrical/Electronic Applications		
	Electronic Insulation		
	Impregnation Applications		
Processing Method	Casting		
	Encapsulating		
	Potting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.61 to 1.66	g/cm³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 25°C)	88 to 92		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	105 to 115	°C	ASTM E1356
CLTE - Flow	3.8E-5 to 4.2E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	3.6E+15 to 4.0E+15	ohms·cm	ASTM D257
Dielectric Strength (3.18 mm)	15 to 17	kV/mm	ASTM D149
Dielectric Constant (100 kHz)	3.32 to 3.66		ASTM D2520
Dissipation Factor (100 kHz)	0.62 to 0.68		ASTM D150
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
	Mix Ratio by Volume: 100		
Part A	Mix Ratio by Weight: 100		

Mix Ratio by Volume: 47

Part B	Mix Ratio by Weight: 34		
Pot Life ¹ (100°C)	27 to 35	min	
Thermoset Mix Viscosity (25°C)	2600 to 3000	cP	ASTM D2393
NOTE			
1.	100 Gram Mass		

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