

Epic Epoxy R1074-06/H4030-02

Epoxy; Epoxide

Epic Resins

Message:

Epic R1074-06/H4030-02 is a premium fire retardant epoxy potting compound recognized UL 94 V-0. With this flame rating R1074-06/H4030-02 carries a temperature rating of 90C. R1074-06/H4030-02 could be considered for use in applications that are thermal cycled between -40C and +85C without issue. R1074-06/H4030-02 also features a long work life and convenient 1:1 mix ratio. R1074-06/H4030-02 is RoHS compliant.

General Information			
Features	Flame Retardant		
Uses	Electrical/Electronic Applications Electronic Insulation		
RoHS Compliance	RoHS Compliant		
Processing Method	Encapsulating Potting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.47 to 1.54	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	30.0 to 38.0	°C	ASTM E1356
CLTE - Flow	7.2E-5 to 8.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+13 to 4.0E+13	ohms·cm	ASTM D257
Dielectric Strength	> 17	kV/mm	ASTM D149
Dielectric Constant (100 kHz)	3.70 to 3.90		ASTM D2520
Dissipation Factor (100 kHz)	0.020 to 0.030		ASTM D150
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components	Mix Ratio by Volume: 1.0		
Part A	Mix Ratio by Weight: 1.0 Mix Ratio by Volume: 1.0		
Part B	Mix Ratio by Weight: 1.0		
Pot Life ¹ (25°C)	60 to 80	min	

Thermoset Mix Viscosity (25°C)	7000 to 9000	cP	ASTM D2393
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NOTE

1. 100 Gram Mass

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