

Epic Epoxy S7151

Epoxy; Epoxide

Epic Resins

Message:

Epic S7151 is a two component general purpose epoxy potting/casting compound. S7151 is an excellent choice for many potting applications and features a meter-mix friendly 3:1 mix ratio by volume, very low shrinkage and good adhesion to both metal and plastic cases. S7151 retains a high gloss in the cured state resulting in very attractive parts.

General Information	
Features	Highlight
	Good adhesion
	Low shrinkage
	General
Uses	Electrical/Electronic Applications
	Electronic insulation
	General
RoHS Compliance	RoHS compliance
Processing Method	Enclosure
	potting
	Casting

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.45 - 1.47	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 25°C)	83 - 87		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	39.0 - 43.0	°C	ASTM E1356
CLTE - Flow	6.1E-5 - 6.7E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	9.8E+13 - 1.0E+14	ohms · cm	ASTM D257
Dielectric Strength (2.54 mm)	17 - 19	kV/mm	ASTM D149
Dielectric Constant (100 kHz)	3.67 - 4.05		ASTM D2520
Dissipation Factor (100 kHz)	0.013 - 0.015		ASTM D150
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			

Mixing ratio by capacity: 3.0

Component a

Mixing ratio by weight: 100

Mixing ratio by capacity: 1.0

Component B

Mixing ratio by weight: 20

Pot Life ¹ (25°C)

80 - 120

min

Thermoset Mix Viscosity (25°C)

< 3000

cP

ASTM D2393

NOTE

1. 200 Gram Mass

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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