

Epic Urethane S7280

Polyurethane

Epic Resins

Message:

Epic S7280 is a two component urethane based polybutadiene. This polybutadiene character gives S7280 improved elevated temperature properties, as well as good thermal shock and thermal cycling resistance. S7280 is a fast gel version of Epic's popular S7220-02 system.

General Information	
Features	Fast Gel
	Good Thermal Shock Resistance
Uses	Electrical/Electronic Applications
	Electronic Insulation
RoHS Compliance	RoHS Compliant
Processing Method	Encapsulating
	Potting

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.928 to 0.958	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 25°C)	44 to 46		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	-59.0 to -53.0	°C	ASTM E1356
CLTE - Flow	8.8E-5 to 9.6E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	5.1E+14 to 5.5E+14	ohms · cm	ASTM D257
Dielectric Strength (2.54 mm)	15 to 17	kV/mm	ASTM D149
Dielectric Constant (100 kHz)	2.60 to 2.80		ASTM D2520
Dissipation Factor (100 kHz)	0.020 to 0.024		ASTM D150
Thermoset	Nominal Value	Unit	Test Method

Thermoset Components	
Part A	Mix Ratio by Volume: 1.0
	Mix Ratio by Weight: 1.0
Part B	Mix Ratio by Volume: 5.0
	Mix Ratio by Weight: 4.0

Pot Life ¹ (25°C)	14 to 18	min	
Thermoset Mix Viscosity (25°C)	1800 to 2200	cP	ASTM D2393
NOTE			
1.	125 Gram Mass		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

