

Epic Urethane S7253

Polyurethane

Epic Resins

Message:

Epic S7253 is a two component urethane potting material. S7253 is unpigmented and provides a 20 minute pot life. Offering a hardness of Shore A = 85, it is flexible for applications requiring some resiliency. S7253 is UL 94 V-0 recognized at 9mm. S7253 is also available in a variety of colors and gel times.

General Information			
Features	Resilient		
Uses	Electrical/Electronic Applications		
	Electronic Insulation		
RoHS Compliance	RoHS Compliant		
Appearance	Colors Available		
Processing Method	Encapsulating		
	Potting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.38 to 1.41	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 25°C)	82 to 88		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	-2.00 to 2.00	°C	ASTM E1356
CLTE - Flow	8.0E-5 to 8.7E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	4.4E+13 to 4.8E+13	ohms · cm	ASTM D257
Dielectric Strength (3.81 mm)	13 to 14	kV/mm	ASTM D149
Dielectric Constant (100 kHz)	3.71 to 4.10		ASTM D2520
Dissipation Factor (100 kHz)	0.031 to 0.035		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: 21		
Part B	Mix Ratio by Weight: 18		
Pot Life ¹ (25°C)	20 to 30	min	

Thermoset Mix Viscosity (25°C)	1600 to 2000	cP	ASTM D2393
NOTE			

1. 118.2 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

