

# Epic Urethane S7214

Polyurethane

Epic Resins

Message:

Epic S7214 is a two component polyurethane casting compound, designed with a fast gel time and rapid hardness development for applications where excellent chemical resistance at ambient and elevated temperatures is an important design criterion. When mixed, S7214 results in dark green colored castings allowing operators to identify equipment mix issues immediately.

General Information			
Features	Fast Gel		
	Good Chemical Resistance		
Uses	Electrical/Electronic Applications		
	Electronic Insulation		
RoHS Compliance	RoHS Compliant		
Appearance	Dark Green		
Processing Method	Casting		
	Encapsulating		
	Potting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.41 to 1.46	g/cm³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 25°C)	82 to 88		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	119 to 131	°C	ASTM E1356
CLTE - Flow	4.1E-5 to 4.5E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.4E+15 to 1.6E+15	ohms·cm	ASTM D257
Dielectric Strength (2.54 mm)	18	kV/mm	ASTM D149
Dielectric Constant (100 kHz)	3.56 to 3.92		ASTM D2520
Dissipation Factor (100 kHz)	8.3E-3 to 9.1E-3		ASTM D150
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
	Mix Ratio by Volume: 2.0		
Part A	Mix Ratio by Weight: 100		

Mix Ratio by Volume: 1.0

Part B	Mix Ratio by Weight: 40		
Pot Life <sup>1</sup> (25°C)	5.0 to 7.0	min	
Thermoset Mix Viscosity (25°C)	6000 to 8000	cP	ASTM D2393

#### NOTE

1. 100 Gram Mass

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#### Recommended distributors for this material

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