

Epic Urethane D9970

Polyurethane

Epic Resins

Message:

Two Component Polyurethane

This clear encapsulant is 100% mercury free and exhibits excellent UV resistance. Epic D9970 is flexible, allowing it to be used where more rigid polyurethanes cause stress cracking or shear components off of PCB's during thermal cycle.

General Information			
Features	Good Flexibility		
	Good UV Resistance		
Uses	LEDs		
Appearance	Clear/Transparent		
Processing Method	Encapsulating		
	Potting		
Hardness	Nominal Value		Test Method
Durometer Hardness (Shore A)	70 to 75		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	4.00 to 8.00	°C	ASTM E1356
CLTE - Flow	1.7E-4 to 1.8E-4	cm/cm/°C	ASTM D696
Thermal Conductivity	0.24 to 0.25	W/m/K	ASTM C177
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Part A	Mix Ratio by Volume: 1.0		
Part B	Mix Ratio by Volume: 1.0		
Thermoset Mix Viscosity ¹ (25°C)	450 to 550	cP	ASTM D2393
NOTE			
1.	600 RPM		

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