

Cookson Group Plaskon® SMT-B-1RC (146.403) Epoxy Molding Compound for PBGAs (discontinued **)

Category : Polymer , Thermoset , Epoxy , Epoxy Molding Compound

Material Notes:

Test specimens were transfer molded and post cured 4 hours at 175°C. An epoxy molding compound optimized specifically for PBGA applications. It has the same unique resin system as SMT-B-1, which minimizes warpage and enables trouble-free molding onto rigid and flexible laminate substrates. Faster cure speed for shorter cure times in multi-plunger and automolding equipment; Improved wire sweep performance (lower viscosity); Reduced post mold cure times; Improved warp performance

Order this product through the following link:

http://www.lookpolymers.com/polymer_Cookson-Group-Plaskon-SMT-B-1RC-146403-Epoxy-Molding-Compound-for-PBGAs-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.88 g/cc	0.0679 lb/in ³	
Viscosity	6000 cP @Temperature 175 °C	6000 cP @Temperature 347 °F	Shimadzu Viscosity, 1000 psi
Spiral Flow	90.0 cm	35.4 in	175°C/1000 psi

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	83	83	
Flexural Strength	68.0 MPa	9860 psi	
Flexural Modulus	13.0 GPa	1890 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear	14.0 µm/m-°C @Temperature 20.0 °C	7.78 µin/in-°F @Temperature 68.0 °F	
CTE, linear, Transverse to Flow	56.0 µm/m-°C @Temperature 20.0 °C	31.1 µin/in-°F @Temperature 68.0 °F	
Thermal Conductivity	0.700 W/m-K	4.86 BTU-in/hr-ft ² -°F	
Glass Transition Temp, Tg	225 °C	437 °F	
Flammability, UL94	V-0 @Thickness 3.20 mm	V-0 @Thickness 0.126 in	
	V-0 @Thickness 3.20 mm	V-0 @Thickness 0.126 in	

Thermal Properties	Metric	English	Comments
Electrical Properties	Metric	English	Comments
Electrical Resistivity	2.00e+16 ohm-cm	2.00e+16 ohm-cm	
Dielectric Constant	3.9	3.9	
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dielectric Strength	28.0 kV/mm	711 kV/in	

Processing Properties	Metric	English	Comments
Processing Temperature	170 - 185 °C	338 - 365 °F	Molding temperature

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