

## Cookson Group Plaskon® SMT-B-1™ 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 grid arrays (BGA/LGA). It is formulated with a unique resin system that minimizes warpage and enables trouble-free molding onto laminated substrates. Minimal warpage (after post bake and solder treatment); Outstanding high temperature flexural strength; Low stress; Excellent moldability (low viscosity)

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Cookson-Group-Plaskon-SMT-B-1-Epoxy-Molding-Compound-for-PBGAs-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Cookson-Group-Plaskon-SMT-B-1-Epoxy-Molding-Compound-for-PBGAs-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.88 g/cc	0.0679 lb/in <sup>3</sup>	
Viscosity	8800 cP @Temperature 175 °C	8800 cP @Temperature 347 °F	Shimadzu Viscosity, 1000 psi
Spiral Flow	77.0 cm	30.3 in	175°C/1000 psi

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	73	73	
Flexural Strength	72.0 MPa	10400 psi	
Flexural Modulus	14.0 GPa	2030 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	58.0 µm/m-°C @Temperature 20.0 °C	32.2 µin/in-°F @Temperature 68.0 °F	
Thermal Conductivity	0.700 W/m-K	4.86 BTU-in/hr-ft <sup>2</sup> -°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	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	$\geq 1.00 \times 10^{15}$ ohm-cm	$\geq 1.00 \times 10^{15}$ ohm-cm	
Dielectric Constant	4.0	4.0	
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dielectric Strength	$\geq 16.0$ kV/mm	$\geq 406$ kV/in	

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

## Contact Songhan Plastic Technology Co.,Ltd.

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