

Cookson Group Plaskon® 3400 Epoxy Molding Compound (discontinued **)

Category : Polymer , Thermoset , Epoxy , Epoxy Molding Compound

Material Notes:

Test specimens were transfer molded and post cured 4 hours at 175°C. A reduced-stress epoxy molding compound for the encapsulation of a variety of semiconductor devices ranging from small lead count DIPs to medium lead count PLCCs, QFPs, and SOICs. Excellent moldability (ease of filling, good release, minimal flash and bleed and good hot hardness); Superior cosmetics; Improved markability; Outstanding device reliability

Order this product through the following link:

http://www.lookpolymers.com/polymer_Cookson-Group-Plaskon-3400-Epoxy-Molding-Compound-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.82 g/cc	0.0658 lb/in ³	
Viscosity	8000 - 16000 cP @Temperature 175 °C	8000 - 16000 cP @Temperature 347 °F	Automatic orifice Viscosity
Spiral Flow	63.0 - 87.0 cm	24.8 - 34.3 in	177°C/1000 psi

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	70	70	
Flexural Strength	124 MPa	18000 psi	
Flexural Modulus	15.0 GPa	2180 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear	20.0 µm/m-°C @Temperature 20.0 °C	11.1 µin/in-°F @Temperature 68.0 °F	
CTE, linear, Transverse to Flow	62.0 µm/m-°C @Temperature 20.0 °C	34.4 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	155 °C	311 °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
Dielectric Constant	3.8	3.8	
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dielectric Strength	16.0 kV/mm	406 kV/in	
Dissipation Factor	0.0020	0.0020	
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Arc Resistance	180 sec	180 sec	

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

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