

Cookson Group Plaskon® PPF-165A 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 conventional molding compound specifically formulated for semiconductor devices which are molded with preplated leadframes. Low temperature molding; Limited, if any, post mold cure; Fast cure rate; Low viscosity for consistent, reproducible moldability; Outstanding reliability; Excellent shelf life; PPF-165A is a low lube version for reduced cleaning frequency

Order this product through the following link:

http://www.lookpolymers.com/polymer_Cookson-Group-Plaskon-PPF-165A-Molding-Compound-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.80 g/cc	0.0650 lb/in ³	
Viscosity	11000 cP @Temperature 175 °C	11000 cP @Temperature 347 °F	Automatic orifice Viscosity
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	
Spiral Flow	72.0 cm	28.3 in	165°C/1000 psi

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	80	80	
Flexural Strength	124 MPa	18000 psi	
Flexural Modulus	15.0 GPa	2180 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear	21.0 μm/m-°C @Temperature 20.0 °C	11.7 μin/in-°F @Temperature 68.0 °F	
CTE, linear, Transverse to Flow	67.0 μm/m-°C @Temperature 20.0 °C	37.2 μin/in-°F @Temperature 68.0 °F	
Thermal Conductivity	0.600 W/m-K	4.16 BTU-in/hr-ft ² -°F	
Glass Transition Temp, Tg	157 °C	315 °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
Dielectric Constant	3.5	3.5	
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dielectric Strength	16.0 kV/mm	406 kV/in	
Dissipation Factor	0.0030	0.0030	
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Arc Resistance	180 sec	180 sec	

Processing Properties	Metric	English	Comments
Processing Temperature	165 - 175 °C	329 - 347 °F	Molding temperature

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