

Cookson Group Plaskon® LS-16S 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 low stress molding compound specifically formulated for use with conventional molding equipment to increase semiconductor manufacturing productivity and reduce production costs; recommended for molding of stress sensitive DIPs, SOICs, PLCCs & small QFPs Consistent, expedient moldability; Fast cycle times; Low viscosity; Minimal, if any, post mold cure; Low stress

Order this product through the following link:

http://www.lookpolymers.com/polymer_Cookson-Group-Plaskon-LS-16S-Molding-Compound-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.85 g/cc	0.0668 lb/in ³	
Viscosity	7500 cP @Temperature 175 °C	7500 cP @Temperature 347 °F	Automatic orifice Viscosity
Spiral Flow	90.0 cm	35.4 in	175°C/1000 psi

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	80	80	
Flexural Strength	117 MPa	17000 psi	
Flexural Modulus	12.0 GPa	1740 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear	15.0 µm/m-°C @Temperature 20.0 °C	8.33 µin/in-°F @Temperature 68.0 °F	
CTE, linear, Transverse to Flow	66.3 µm/m-°C @Temperature 20.0 °C	36.8 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	166 °C	331 °F	
Flammability, UL94	V-0 @Thickness 1.60 mm	V-0 @Thickness 0.0630 in	
	V-0 @Thickness 1.60 mm	V-0 @Thickness 0.0630 in	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	9.50e+15 ohm-cm	9.50e+15 ohm-cm	
Dielectric Constant	3.3 @Frequency 1000 Hz	3.3 @Frequency 1000 Hz	
Dielectric Strength	16.0 kV/mm	406 kV/in	
Dissipation Factor	0.0030 @Frequency 1000 Hz	0.0030 @Frequency 1000 Hz	
Arc Resistance	180 sec	180 sec	

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

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