

Cookson Group Plaskon® 3300SH Mineral Filled Epoxy Molding Compound (discontinued **)

Category : Polymer , Thermoset , Epoxy , Epoxy, Molded, Mineral Filled , Filled/Reinforced Thermoset

Material Notes:

Test specimens were transfer molded and post cured 4 hours at 175°C. Exhibits exceptional reliability, excellent moldability, good release characteristics and low flash. This compound is especially formulated for improved hermeticity protection with high temperature compatibility and low stress.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Cookson-Group-Plaskon-3300SH-Mineral-Filled-Epoxy-Molding-Compound-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.86 g/cc	0.0672 lb/in ³	
Spiral Flow	78.0 - 102 cm	30.7 - 40.2 in	177°C/1000 psi

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	75	75	
Tensile Strength, Ultimate	83.0 MPa	12000 psi	
Flexural Strength	124 MPa	18000 psi	
Flexural Modulus	16.0 GPa	2320 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear	21.0 µm/m-°C	11.7 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
CTE, linear, Transverse to Flow	69.0 µm/m-°C	38.3 µin/in-°F	
	@Temperature 20.0 °C	@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	V-0	
	@Thickness 3.20 mm	@Thickness 0.126 in	
	V-0	V-0	
	@Thickness 3.20 mm	@Thickness 0.126 in	

Electrical Properties	Metric	English	Comments
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Electrical Properties	Metric	English	Comments
	@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	18 sec	18 sec	

Processing Properties	Metric	English	Comments
Processing Temperature	170 - 190 °C	338 - 374 °F	Molding temperature

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