

Cookson Group Plaskon® 3300SGH 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, low flash and rapid cure. This compound is especially formulated for automated molding equipment.

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Density	1.86 g/cc	0.0672 lb/in ³	
Spiral Flow	38.0 cm	15.0 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	

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	90.0 µm/m-°C	50.0 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
Dielectric Constant	3.8	3.8	
	@Frequency 1000 Hz	@Frequency 1000 Hz	

Electrical Properties	Metric	English	Comments
	0.0020	0.0020	
Dissipation Factor	@Frequency 1000 Hz	@Frequency 1000 Hz	
Arc Resistance	180 sec	180 sec	

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

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