

Cookson Group Plaskon® 440 Mineral Filled Novolac 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. Combines exceptional reliability with wide molding process latitude.

This material is designed to encapsulate semiconductor devices including diodes, transistors, and integrated circuits in dual in-line packages, quad packs, and small outline packages.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Cookson-Group-Plaskon-440-Mineral-Filled-Novolac-Epoxy-Molding-Compound-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.80 g/cc	0.0650 lb/in ³	
Spiral Flow	63.0 - 87.0 cm	24.8 - 34.3 in	177°C/1000 psi

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	85	85	
Tensile Strength, Ultimate	97.0 MPa	14100 psi	
Flexural Strength	147 MPa	21300 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	22.0 µm/m-°C	12.2 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
CTE, linear, Transverse to Flow	70.0 µm/m-°C	38.9 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Thermal Conductivity	0.600 W/m-K	4.16 BTU-in/hr-ft ² -°F	
Glass Transition Temp, Tg	165 °C	329 °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
	3.8	3.8	

Dielectric Constant Electrical Properties	Metric	English	Comments
Dielectric Strength	16.0 kV/mm	406 kV/in	
Dissipation Factor	0.0060	0.0060	
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Arc Resistance	180 sec	180 sec	

Processing Properties	Metric	English	Comments
Processing Temperature	175 - 185 °C	347 - 365 °F	Molding temperature

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