

Cookson Group Plaskon® 435 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. Combines exceptional reliability with wide molding process latitude. This material is designed to encapsulate a variety of semiconductor devices including diodes, transistors, and other semiconductor devices requiring high power and thermal dissipation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Cookson-Group-Plaskon-435-Mineral-Filled-Epoxy-Molding-Compound-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	2.05 g/cc	0.0741 lb/in ³	
Spiral Flow	64.0 - 88.0 cm	25.2 - 34.6 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	138 MPa	20000 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	30.0 µm/m-°C	16.7 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
CTE, linear, Transverse to Flow	80.0 µm/m-°C	44.4 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Thermal Conductivity	1.50 W/m-K	10.4 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
Dielectric Constant	3.9	3.9	

Electrical Properties	@Frequency 1000 Hz Metric	@Frequency 1000 Hz English	Comments
Dielectric Strength	20.0 kV/mm	508 kV/in	
Dissipation Factor	0.0060 @Frequency 1000 Hz	0.0060 @Frequency 1000 Hz	
Arc Resistance	190 sec	190 sec	

Processing Properties	Metric	English	Comments
Processing Temperature	170 - 185 °C	338 - 365 °F	Molding temperature

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China