

Cookson Group Plaskon® 1002 Conventional Encapsulant (discontinued **)

Category : Polymer , Thermoset , Epoxy , Epoxy Encapsulant, Unreinforced

Material Notes:

Test specimens were transfer molded and post cured 4 hours at 175°C. A low cost, low stress, conventional molding compound recommended for high volume commodity-type packages that house simple linear and discrete devices. These packages include low lead count DIPs, TO-types, diodes and small SOICs. Excellent moldability (fast curing, minimal if any deflashing, no degreasing); Superior cosmetics and markability; Low stress

Order this product through the following link:

http://www.lookpolymers.com/polymer_Cookson-Group-Plaskon-1002-Conventional-Encapsulant-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.86 g/cc	0.0672 lb/in ³	
Viscosity	16500 cP @Temperature 175 °C	16500 cP @Temperature 347 °F	Automatic orifice Viscosity
Spiral Flow	63.0 - 87.0 cm	24.8 - 34.3 in	177°C/1000 psi

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	81	81	
Flexural Strength	131 MPa	19000 psi	
Flexural Modulus	17.0 GPa	2470 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear	18.0 µm/m-°C @Temperature 20.0 °C	10.0 µin/in-°F @Temperature 68.0 °F	
CTE, linear, Transverse to Flow	56.0 µm/m-°C @Temperature 20.0 °C	31.1 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	153 °C	307 °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
Dielectric Constant	3.8	3.8	
	@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	180 sec	180 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