

Cookson Group Plaskon® 1031 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, 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

Order this product through the following link:

http://www.lookpolymers.com/polymer_Cookson-Group-Plaskon-1031-Conventional-Encapsulant-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.98 g/cc	0.0715 lb/in³	
Viscosity	13500 cP @Temperature 175 °C	13500 cP @Temperature 347 °F	Automatic orifice Viscosity
Spiral Flow	69.0 - 93.0 cm	27.2 - 36.6 in	177°C/1000 psi

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	79	79	
Flexural Strength	131 MPa	19000 psi	
Flexural Modulus	18.0 GPa	2610 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear	22.0 µm/m-°C @Temperature 20.0 °C	12.2 µin/in-°F @Temperature 68.0 °F	
CTE, linear, Transverse to Flow	62.0 µm/m-°C @Temperature 20.0 °C	34.4 µin/in-°F @Temperature 68.0 °F	
Thermal Conductivity	0.800 W/m-K	5.55 BTU-in/hr-ft²-°F	
Glass Transition Temp, Tg	155 °C	311 °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
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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	180 sec	180 sec	

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

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