

Cookson Group Plaskon® 3400FP Epoxy Molding Compound (discontinued **)

Category : Polymer , Thermoset , Epoxy , Epoxy Molding Compound

Material Notes:

Test specimens were transfer molded and post cured 4 hours at 175°C. A fast curing, reduced-stress epoxy molding compound for the encapsulation of semiconductor devices including DIPs, PLCCs, SOICs and medium lead count QFPs. Fast cycle times; Excellent moldability (ease of filling, good release, minimal flash and bleed and good hot hardness); Superior cosmetics; Improved markability; Minimal mold cleaning frequency

Order this product through the following link:

http://www.lookpolymers.com/polymer_Cookson-Group-Plaskon-3400FP-Epoxy-Molding-Compound-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.80 g/cc	0.0650 lb/in ³	
Viscosity	14000 cP @Temperature 175 °C	14000 cP @Temperature 347 °F	Automatic orifice Viscosity
Spiral Flow	59.0 - 83.0 cm	23.2 - 32.7 in	177°C/1000 psi

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	70	70	
Flexural Strength	124 MPa	18000 psi	
Flexural Modulus	15.0 GPa	2180 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	60.0 µm/m-°C @Temperature 20.0 °C	33.3 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	150 °C	302 °F	
Flammability, UL94	V-0 @Thickness 3.20 mm	V-0 @Thickness 0.126 in	
	V-0 @Thickness 3.20 mm	V-0 @Thickness 0.126 in	

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.6	3.6	
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dielectric Strength	16.0 kV/mm	406 kV/in	
Dissipation Factor	0.0030	0.0030	
	@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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