

## Cookson Group Plaskon® 3100 Novolac Epoxy Molding Compound (discontinued \*\*)

Category : Polymer , Thermoset , Epoxy , Epoxy, Novolac, Molding Compound

### Material Notes:

Test specimens were transfer molded and post cured 4 hours at 175°C. A flame retardant, novolac-hardened epoxy molding compound recommended for semiconductor packages that are not stress sensitive.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Cookson-Group-Plaskon-3100-Novolac-Epoxy-Molding-Compound-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Cookson-Group-Plaskon-3100-Novolac-Epoxy-Molding-Compound-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.92 g/cc	0.0694 lb/in <sup>3</sup>	
Linear Mold Shrinkage	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	
Spiral Flow	64.0 - 90.0 cm	25.2 - 35.4 in	177°C/1000 psi

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	78	78	
Tensile Strength, Ultimate	103 MPa	14900 psi	
Tensile Modulus	16.0 GPa	2320 ksi	
Flexural Strength	145 MPa	21000 psi	
Flexural Modulus	17.0 GPa	2470 ksi	
Izod Impact, Notched	0.250 J/cm	0.468 ft-lb/in	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	27.0 µm/m-°C	15.0 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
CTE, linear, Transverse to Flow	81.0 µm/m-°C	45.0 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Thermal Conductivity	1.00 W/m-K	6.94 BTU-in/hr-ft <sup>2</sup> -°F	
Deflection Temperature at 1.8 MPa (264 psi)	218 °C	424 °F	
Glass Transition Temp, Tg	150 - 160 °C	302 - 320 °F	
Flammability, UL94	V-0	V-0	
	@Thickness 3.20 mm	@Thickness 0.126 in	

Thermal Properties	Metric	English	Comments
	@Thickness 3.20 mm	@Thickness 0.126 in	

Electrical Properties	Metric	English	Comments
Dielectric Constant	4.08 @Frequency 1000 Hz	4.08 @Frequency 1000 Hz	
Dielectric Strength	17.0 kV/mm	432 kV/in	
Dissipation Factor	0.0040 @Frequency 1000 Hz	0.0040 @Frequency 1000 Hz	

Processing Properties	Metric	English	Comments
Processing Temperature	171 - 193 °C	340 - 379 °F	Molding temperature

## Contact Songhan Plastic Technology Co.,Ltd.

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