

## Cookson Group Plaskon® S-7LA 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 low stress, low alpha emission molding compound designed for packaging stress-sensitive memory devices. It offers an alpha particle count of

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Cookson-Group-Plaskon-S-7LA-Molding-Compound-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Cookson-Group-Plaskon-S-7LA-Molding-Compound-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.82 g/cc	0.0658 lb/in <sup>3</sup>	
Viscosity	17000 cP @Temperature 175 °C	17000 cP @Temperature 347 °F	Automatic orifice Viscosity
Linear Mold Shrinkage	0.0037 cm/cm	0.0037 in/in	
Spiral Flow	85.0 - 115 cm	33.5 - 45.3 in	177°C/1000 psi

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	75	75	
Tensile Strength, Ultimate	62.0 MPa	8990 psi	
Flexural Strength	103 MPa	14900 psi	
Flexural Modulus	12.0 GPa	1740 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear	17.0 µm/m-°C @Temperature 20.0 °C	9.44 µin/in-°F @Temperature 68.0 °F	
CTE, linear, Transverse to Flow	45.0 µm/m-°C @Temperature 20.0 °C	25.0 µin/in-°F @Temperature 68.0 °F	
Thermal Conductivity	0.700 W/m-K	4.86 BTU-in/hr-ft <sup>2</sup> -°F	
Glass Transition Temp, Tg	150 °C	302 °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.

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