

## Cookson Group Plaskon® ULS-12LA 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. An ultra low stress, low alpha emission molding compound designed for packaging stress-sensitive memory devices such as TSOPs and large QFPs. It offers an alpha particle count of

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Cookson-Group-Plaskon-ULS-12LA-Molding-Compound-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Cookson-Group-Plaskon-ULS-12LA-Molding-Compound-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.88 g/cc	0.0679 lb/in <sup>3</sup>	
Water Absorption	0.0034 %	0.0034 %	
Viscosity	5500 cP @Temperature 175 °C	5500 cP @Temperature 347 °F	Automatic orifice Viscosity
Linear Mold Shrinkage	0.0025 cm/cm	0.0025 in/in	
Spiral Flow	81.0 cm	31.9 in	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	80	80	
Flexural Strength	107 MPa	15500 psi	
Flexural Modulus	14.0 GPa	2030 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear	12.5 µm/m-°C @Temperature 20.0 °C	6.94 µin/in-°F @Temperature 68.0 °F	
CTE, linear, Transverse to Flow	65.0 µm/m-°C @Temperature 20.0 °C	36.1 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	155 °C	311 °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	3.8	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](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China