

## Cookson Group Plaskon® 150.401 Encapsulation Resin (discontinued \*\*)

Category : Polymer , Thermoset , Epoxy , Epoxy Encapsulant, Unreinforced

### Material Notes:

Test specimens were transfer molded and post cured 4 hours at 175°C. A second generation SMT-B family product. This material is the initial developmental, general purpose SMT-B encapsulation grade resin and has good adhesion to solder resist with no plasma or UV/Ozone cleaning for PBGA applications.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Cookson-Group-Plaskon-150401-Encapsulation-Resin-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Cookson-Group-Plaskon-150401-Encapsulation-Resin-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.90 g/cc	0.0686 lb/in <sup>3</sup>	
Viscosity	8200 cP @Temperature 175 °C	8200 cP @Temperature 347 °F	Shimadzu Viscosity, 1000 psi
Spiral Flow	74.0 cm	29.1 in	175°C/1000 psi

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	88	88	
Flexural Strength	76.0 MPa	11000 psi	
Flexural Modulus	18.0 GPa	2610 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear	15.5 µm/m-°C @Temperature 20.0 °C	8.61 µin/in-°F @Temperature 68.0 °F	
CTE, linear, Transverse to Flow	55.5 µm/m-°C @Temperature 20.0 °C	30.8 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	220 °C	428 °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
-----------------------	--------	---------	----------

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.6 @Frequency 1000 Hz	3.6 @Frequency 1000 Hz	
Dissipation Factor	0.0020 @Frequency 1000 Hz	0.0020 @Frequency 1000 Hz	

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