

LNP Thermocomp® LF-1006 Polyetheretherketone, Glass Fiber Reinforcement (discontinued **)

Category : Polymer , Thermoplastic , Polyketone , Polyetheretherketone (PEEK) , Polyetheretherketone, PEEK, Glass Fiber Filled

Material Notes:

Forms: Pellets Processing Method: Injection Molding Information provided by LNP, a GE Plastics Company. This data sheet is labeled Discontinued; however many LNP grades are still active under new names instituted after the SABIC purchase.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LNP-Thermocomp-LF-1006-Polyetheretherketone-Glass-Fiber-Reinforcement-nbspdiscontinued.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.53 g/cc	1.53 g/cc	Method A; ASTM D792
Water Absorption	0.10 %	0.10 %	at 24 hrs; ASTM D570

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	176 MPa	25500 psi	ASTM D638
Tensile Strength, Yield	176 MPa	25500 psi	ASTM D638
Elongation at Break	2.0 %	2.0 %	ASTM D638
Elongation at Yield	2.0 %	2.0 %	ASTM D638
Tensile Modulus	13.2 GPa	1910 ksi	ASTM D638
Flexural Strength	241 MPa	35000 psi	ASTM D790
Flexural Modulus	10.8 GPa	1570 ksi	ASTM D790
Izod Impact, Notched	1.17 J/cm @Thickness 3.18 mm	2.19 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Unnotched	8.75 J/cm @Thickness 3.18 mm	16.4 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Notched (ISO)	11.6 kJ/m ²	5.52 ft-lb/in ²	ISO 180
Izod Impact, Unnotched (ISO)	57.3 kJ/m ²	27.3 ft-lb/in ²	ISO 180
Falling Dart Impact	13.7 J	10.1 ft-lb	ASTM D3763

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	ISO 11359-1, -2

Thermal Properties	Metric °C	English °F	Comments
CTE, linear, Transverse to Flow	@Temperature 20.0 °C	@Temperature 68.0 °F	ISO 11359-1, -2
Deflection Temperature at 0.46 MPa (66 psi)	299 °C	570 °F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	299 °C	570 °F	Unannealed; ASTM D648
Flammability, UL94	V-0 @Thickness 0.780 mm	V-0 @Thickness 0.0307 in	

Processing Properties	Metric	English	Comments
Melt Temperature	379 - 388 °C	714 - 730 °F	
Mold Temperature	135 - 163 °C	275 - 325 °F	
Drying Temperature	121 - 149 °C	250 - 300 °F	
Dry Time	4 hour	4 hour	
Moisture Content	0.10 %	0.10 %	Suggested
Back Pressure	0.345 - 0.689 MPa	50.0 - 99.9 psi	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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