

LNP Thermocomp® OF-1006 Polyphenylene Sulfide, Glass Fiber Reinforcement (discontinued **)

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS)

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-OF-1006-Polyphenylene-Sulfide-Glass-Fiber-Reinforcement-nbspdiscontinued.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.58 g/cc	1.58 g/cc	Method A; ASTM D792
Linear Mold Shrinkage	0.0010 - 0.0030 cm/cm	0.0010 - 0.0030 in/in	ASTM D955
Linear Mold Shrinkage, Transverse	0.0040 - 0.0070 cm/cm	0.0040 - 0.0070 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	130 MPa	18900 psi	ASTM D638
Elongation at Break	1.3 %	1.3 %	ASTM D638
Tensile Modulus	12.7 GPa	1840 ksi	ASTM D638
Flexural Strength	193 MPa	28000 psi	ASTM D790
Flexural Modulus	11.3 GPa	1640 ksi	ASTM D790
Izod Impact, Notched	0.694 J/cm @Thickness 3.18 mm	1.30 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Unnotched	4.06 J/cm @Thickness 3.18 mm	7.61 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Notched (ISO)	9.70 kJ/m ²	4.62 ft-lb/in ²	ISO 180
Izod Impact, Unnotched (ISO)	31.2 kJ/m ²	14.8 ft-lb/in ²	ISO 180
Falling Dart Impact	8.70 J	6.42 ft-lb	ASTM D3763
Impact Test	2.66 J	1.96 ft-lb	Multi-Axial Instrumented Impact Energy; ISO 6603-2

Thermal Properties	Metric	English	Comments
CTE, linear	23.0 µm/m-°C	12.8 µin/in-°F	TMA; ASTM E831

Thermal Properties	@Temperature 20.0 °C Metric	@Temperature 68.0 °F English	Comments
CTE, linear, Transverse to Flow	45.0 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	25.0 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	TMA; ASTM E831
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 1.8 MPa (264 psi)	268 °C	514 °F	Unannealed; ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	316 - 321 °C	601 - 610 °F	
Mold Temperature	135 - 163 °C	275 - 325 °F	
Drying Temperature	121 - 149 °C	250 - 300 °F	
Dry Time	4 hour	4 hour	
Back Pressure	0.172 - 0.345 MPa	24.9 - 50.0 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