

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

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS)

Material Notes:

Features: High Impact Resistance
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-Thermotuf-OF-1006-HI-Polyphenylene-Sulfide-Glass-Fiber-Reinforcement-nbspdiscontinued.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.48 g/cc	1.48 g/cc	Method A; ASTM D792
Linear Mold Shrinkage	0.0020 cm/cm	0.0020 in/in	ASTM D955
Linear Mold Shrinkage, Transverse	0.0070 cm/cm	0.0070 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	143 MPa	20700 psi	ASTM D638
Tensile Strength, Yield	143 MPa	20700 psi	ASTM D638
Elongation at Break	2.4 %	2.4 %	ASTM D638
Elongation at Yield	2.4 %	2.4 %	ASTM D638
Tensile Modulus	10.8 GPa	1570 ksi	ASTM D638
Flexural Strength	207 MPa	30000 psi	ASTM D790
Flexural Modulus	9.79 GPa	1420 ksi	ASTM D790
Izod Impact, Notched	1.71 J/cm @Thickness 3.18 mm	3.20 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Unnotched	7.79 J/cm @Thickness 3.18 mm	14.6 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Notched (ISO)	16.1 kJ/m ²	7.66 ft-lb/in ²	ISO 180
Izod Impact, Unnotched (ISO)	50.8 kJ/m ²	24.2 ft-lb/in ²	ISO 180
Falling Dart Impact	13.4 J	9.88 ft-lb	ASTM D3763
Impact Test	4.89 J	3.61 ft-lb	Multi-Axial Instrumented Impact Energy; ISO 6603-2

Mechanical Properties	Metric	English	Comments
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