

LNP Thermocomp® STN-F-1006 HS Polyamide 46, Glass Fiber Reinforcement (discontinued **)

Category : Polymer , Thermoplastic , Nylon , Nylon 46

Material Notes:

Features: Heat Stabilized 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-STN-F-1006-HS-Polyamide-46-Glass-Fiber-Reinforcement-nbspdiscontinued.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.40 g/cc	1.40 g/cc	Method A; ASTM D792
Water Absorption	1.3 %	1.3 %	at 24 hrs; ASTM D570
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	ASTM D955
Linear Mold Shrinkage, Transverse	0.014 cm/cm	0.014 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	190 MPa	27600 psi	ASTM D638
Tensile Strength, Yield	190 MPa	27600 psi	ASTM D638
Elongation at Break	3.3 %	3.3 %	ASTM D638
Elongation at Yield	3.3 %	3.3 %	ASTM D638
Tensile Modulus	11.1 GPa	1610 ksi	ASTM D638
Flexural Strength	296 MPa	42900 psi	ASTM D790
Flexural Modulus	9.63 GPa	1400 ksi	ASTM D790
Izod Impact, Notched	0.907 J/cm @Thickness 3.18 mm	1.70 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Unnotched	11.5 J/cm @Thickness 3.18 mm	21.5 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Notched (ISO)	9.20 kJ/m ²	4.38 ft-lb/in ²	ISO 180
Izod Impact, Unnotched (ISO)	70.2 kJ/m ²	33.4 ft-lb/in ²	ISO 180
Falling Dart Impact	12.0 J	8.85 ft-lb	ASTM D3763
	3.29 J	2.43 ft-lb	Multi-Axial Instrumented Impact

