

LNP Thermocomp® UF-1006 FR HS LEX BK8-115 Polyphthalamide, Glass Fiber Reinforcement (discontinued **)

Category : Polymer , Thermoplastic , Polyphthalamide (PPA)

Material Notes:

Features: Heat Stabilized, Flame Retardant 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-UF-1006-FR-HS-LEX-BK8-115-Polyphthalamide-Glass-Fiber-Reinforcement-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.65 g/cc	1.65 g/cc	Method A; ASTM D792
Water Absorption	0.20 %	0.20 %	at 24 hrs; ASTM D570
Linear Mold Shrinkage	0.0020 cm/cm	0.0020 in/in	ASTM D955
Linear Mold Shrinkage, Transverse	0.0060 cm/cm	0.0060 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	181 MPa	26300 psi	ASTM D638
Tensile Strength, Yield	181 MPa	26300 psi	ASTM D638
Elongation at Break	1.9 %	1.9 %	ASTM D638
Elongation at Yield	1.9 %	1.9 %	ASTM D638
Tensile Modulus	13.8 GPa	2000 ksi	ASTM D638
Flexural Strength	255 MPa	37000 psi	ASTM D790
Flexural Modulus	12.1 GPa	1750 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	5.50 J/cm @Thickness 3.18 mm	10.3 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Notched (ISO)	9.00 kJ/m ²	4.28 ft-lb/in ²	ISO 180
Izod Impact, Unnotched (ISO)	44.7 kJ/m ²	21.3 ft-lb/in ²	ISO 180
Falling Dart Impact	2.90 J	2.14 ft-lb	ASTM D3763

Processing Properties	Metric	English	Comments
Melt Temperature	299 - 310 °C	570 - 590 °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	0.15 %	0.15 %	Suggested
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