

LNP Thermocomp® UFM-3249 HS BK8-115 Polyphthalamide, Glass Mineral Reinforcement (discontinued **)

Category : Polymer , Thermoplastic , Polyphthalamide (PPA)

Material Notes:

Features: Heat StabilizedForms: PelletsProcessing Method: Injection MoldingInformation 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-UFM-3249-HS-BK8-115-Polyphthalamide-Glass-Mineral-Reinforcement-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.87 g/cc	1.87 g/cc	ISO 1183
Linear Mold Shrinkage	0.0025 cm/cm	0.0025 in/in	ISO 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	192 MPa	27800 psi	ISO 527-1, -2
Elongation at Break	1.1 %	1.1 %	ISO 527-1, -2
Flexural Strength	274 MPa	39700 psi	ISO 178
Flexural Modulus	19.3 GPa	2800 ksi	ISO 178
Izod Impact, Notched (ISO)	6.70 kJ/m ²	3.19 ft-lb/in ²	ISO 180
Izod Impact, Unnotched (ISO)	37.9 kJ/m ²	18.0 ft-lb/in ²	ISO 180

Processing Properties	Metric	English	Comments
Melt Temperature	316 - 329 °C	601 - 624 °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	

Descriptive Properties	Value	Comments
Color	Black	

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