

BASF Ultramid® 1703-2 BK ND3007 25% Glass Filled PA66 (Conditioned)

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% Glass Fiber Filled

Material Notes:

Ultramid 1703-2 BK ND3007 is a 25% glass reinforced, heat stabilized injection molding nylon 6/6.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Ultramid-1703-2-BK-ND3007-25-Glass-Filled-PA66-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.33 g/cc	0.0480 lb/in ³	dry; ISO 1183
Water Absorption	6.4 %	6.4 %	beginning dry; ISO 62
Moisture Absorption at Equilibrium	1.9 %	1.9 %	beginning dry (23°C/50% R.H.); ISO 62
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	ASTM Data; MD

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	124 MPa	18000 psi	5mm/min; ISO 527
Elongation at Break	5.0 %	5.0 %	5mm/min; ISO 527
Tensile Modulus	6.30 GPa	914 ksi	1mm/min; ISO 527
Flexural Modulus	5.10 GPa	740 ksi	ISO Data
Izod Impact, Notched (ISO)	11.0 kJ/m ²	5.23 ft-lb/in ²	ISO Test
Charpy Impact Unnotched	8.00 J/cm ²	38.1 ft-lb/in ²	ISO 179
	5.60 J/cm ² @Temperature -30.0 °C	26.7 ft-lb/in ² @Temperature -22.0 °F	ISO 179
Charpy Impact, Notched	1.10 J/cm ²	5.24 ft-lb/in ²	ISO 179
	0.900 J/cm ² @Temperature -30.0 °C	4.28 ft-lb/in ² @Temperature -22.0 °F	ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	257 °C	495 °F	10 K/min
	257 °C	495 °F	ASTM Test

Descriptive Properties	Value	Comments
Color	Black	

Descriptive Properties	Value	Comments
Commercial Status	Active America	
Impact Modified	No	
Primary Processing Technique	Injection Molding	

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