

BASF Ultramid® 1503-2 NF2004 33% Glass Filled PA66 (Conditioned)

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

Material Notes:

Ultramid 1503-2 NF2004 is a 33% glass reinforced, heat stabilized injection molding PA6/6.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Ultramid-1503-2-NF2004-33-Glass-Filled-PA66-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in ³	dry; ISO 1183
Water Absorption	5.7 %	5.7 %	beginning dry; ISO 62
Moisture Absorption at Equilibrium	1.7 %	1.7 %	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	145 MPa	21000 psi	5mm/min; ISO 527
Elongation at Break	5.0 %	5.0 %	5mm/min; ISO 527
Tensile Modulus	7.40 GPa	1070 ksi	1mm/min; ISO 527
Flexural Modulus	6.30 GPa	914 ksi	ISO Data
Izod Impact, Notched (ISO)	15.0 kJ/m ²	7.14 ft-lb/in ²	ISO Test
Charpy Impact Unnotched	10.0 J/cm ²	47.6 ft-lb/in ²	ISO 179
	7.50 J/cm ²	35.7 ft-lb/in ²	ISO 179
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	1.50 J/cm ²	7.14 ft-lb/in ²	ISO 179
	1.10 J/cm ²	5.24 ft-lb/in ²	ISO 179
	@Temperature -30.0 °C	@Temperature -22.0 °F	

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	Natural	

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

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