

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

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-Dry.php

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in ³	ISO 1183
Water Absorption	5.7 %	5.7 %	ISO 62
Moisture Absorption at Equilibrium	1.7 %	1.7 %	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 at Break	193 MPa	28000 psi	0.2 in/min; ASTM Test
Tensile Strength, Ultimate	210 MPa	30500 psi	5mm/min; ISO 527
Elongation at Break	3.0 %	3.0 %	5mm/min; ISO 527
	3.0 %	3.0 %	0.2 in/min; ASTM Test
Tensile Modulus	10.8 GPa	1570 ksi	1mm/min; ISO 527
Flexural Strength	276 MPa	40000 psi	ASTM Test
Flexural Modulus	8.28 GPa	1200 ksi	ASTM Test
	9.90 GPa	1440 ksi	ISO Data
Izod Impact, Notched	1.17 J/cm @Thickness 3.17 mm	2.19 ft-lb/in @Thickness 0.125 in	ASTM Test
Izod Impact, Notched (ISO)	11.0 kJ/m ²	5.23 ft-lb/in ²	ISO Test
Charpy Impact Unnotched	9.00 J/cm ²	42.8 ft-lb/in ²	ISO 179
	7.50 J/cm ² @Temperature -30.0 °C	35.7 ft-lb/in ² @Temperature -22.0 °F	ISO 179
Charpy Impact, Notched	1.20 J/cm ²	5.71 ft-lb/in ²	ISO 179
	1.10 J/cm ² @Temperature -30.0 °C	5.24 ft-lb/in ² @Temperature -22.0 °F	ISO 179

Mechanical Properties	Metric	English	Comments
Thermal Properties	Metric	English	Comments
Melting Point	257 °C	495 °F	10 K/min
	257 °C	495 °F	ASTM Test
Deflection Temperature at 0.46 MPa (66 psi)	264 °C	507 °F	ISO 75
	297 °C	567 °F	ASTM Test
Deflection Temperature at 1.8 MPa (264 psi)	252 °C	486 °F	ASTM Test
	255 °C	491 °F	ISO 75

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

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