

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

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-Dry.php

Physical Properties	Metric	English	Comments
Density	1.33 g/cc	0.0480 lb/in ³	ISO 1183
Water Absorption	6.4 %	6.4 %	ISO 62
Moisture Absorption at Equilibrium	1.9 %	1.9 %	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	172 MPa	24900 psi	0.2 in/min; ASTM Test
Tensile Strength, Ultimate	180 MPa	26100 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	8.80 GPa	1280 ksi	1mm/min; ISO 527
Flexural Strength	260 MPa	37700 psi	ASTM Test
Flexural Modulus	7.59 GPa	1100 ksi	ASTM Test
	8.00 GPa	1160 ksi	ISO Data
Izod Impact, Notched	0.850 J/cm @Thickness 3.17 mm	1.59 ft-lb/in @Thickness 0.125 in	ASTM Test
Izod Impact, Notched (ISO)	9.00 kJ/m ²	4.28 ft-lb/in ²	ISO Test
Charpy Impact Unnotched	7.00 J/cm ²	33.3 ft-lb/in ²	ISO 179
	5.50 J/cm ² @Temperature -30.0 °C	26.2 ft-lb/in ² @Temperature -22.0 °F	ISO 179
Charpy Impact, Notched	1.00 J/cm ²	4.76 ft-lb/in ²	ISO 179

Thermal Properties	Metric	English	Comments
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Melting Point Thermal Properties	257 °C Metric	495 °F English	10 K/min Comments
	257 °C	495 °F	ASTM Test
Deflection Temperature at 0.46 MPa (66 psi)	262 °C	504 °F	ISO 75
	297 °C	567 °F	ASTM Test
Deflection Temperature at 1.8 MPa (264 psi)	249 °C	480 °F	ASTM Test
	250 °C	482 °F	ISO 75

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

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