

BASF Ultramid® 1503-2F BK ND 3007 33% Glass Filled PA 66 (Dry)

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

Material Notes:

Description: Ultramid 1503-2F BK ND3007 is a 33% glass reinforced, heat stabilized injection molding PA6/6 grade. It is designed to provide enhance hydrolysis resistance for under-the-hood applications. Information provided by BASF

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Ultramid-1503-2F-BK-ND-3007-33-Glass-Filled-PA-66-Dry.php

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in ³	ISO 1183
Moisture Absorption at Equilibrium	1.7 %	1.7 %	50% RH; ISO 178
	5.7 %	5.7 %	Saturation; ISO 178

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	190 MPa	27600 psi	ISO 527
Elongation at Break	3.0 %	3.0 %	ISO 527
Tensile Modulus	10.8 GPa	1570 ksi	ISO 527
Charpy Impact, Notched	0.800 J/cm ²	3.81 ft-lb/in ²	ISO 179
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	1.10 J/cm ²	5.23 ft-lb/in ²	ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	260 °C	500 °F	ISO 3146
Deflection Temperature at 0.46 MPa (66 psi)	264 °C	507 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	255 °C	491 °F	ISO 75

Processing Properties	Metric	English	Comments
Melt Temperature	288 - 305 °C	550 - 581 °F	
Mold Temperature	60.0 - 100 °C	140 - 212 °F	
Drying Temperature	80.0 °C	176 °F	
Dry Time	1 - 2 hour	1 - 2 hour	

Processing Properties	Metric	English	Comments
Moisture Content	0.040 - 0.20 %	0.040 - 0.20 %	
Injection Pressure	35.0 - 125 MPa	5080 - 18100 psi	
Back Pressure	0.000 - 0.350 MPa	0.000 - 50.8 psi	
Screw Speed	40 - 80 rpm	40 - 80 rpm	

Descriptive Properties	Value	Comments
Color	BK ND 3007	
Commercial Status	North America	

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