

BASF Ultramid® N-276 BK ND 3007 40% Glass/Mineral Filled PA66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Glass/Mineral Filled

Material Notes:

Description: Ultramid N-276 BK ND3007 is a 40% mineral/glass reinforced, heat stabilized injection molding PA6/6. Information provided by BASF

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Ultramid-N-276-BK-ND-3007-40-GlassMineral-Filled-PA66.php

Physical Properties	Metric	English	Comments
Density	1.50 g/cc	0.0542 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	135 MPa	19600 psi	ISO 527
Elongation at Break	3.0 %	3.0 %	ISO 527
Tensile Modulus	10.8 GPa	1570 ksi	ISO 527
Flexural Modulus	9.80 GPa	1420 ksi	ISO 178
Izod Impact, Notched (ISO)	4.20 kJ/m ²	2.00 ft-lb/in ²	ISO 180
Charpy Impact Unnotched	4.00 J/cm ²	19.0 ft-lb/in ²	ISO 179
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	4.50 J/cm ²	21.4 ft-lb/in ²	ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.350 J/cm ²	1.67 ft-lb/in ²	ISO 179
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	0.380 J/cm ²	1.81 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)	255 °C	491 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	242 °C	468 °F	ISO 75

Processing Properties	Metric	English	Comments
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Melt Temperature Processing Properties	288 - 305 °C Metric	550 - 581 °F English	Comments
Mold Temperature	60.0 - 100 °C	140 - 212 °F	
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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