

BASF Ultramid® B3WG7 BK00564 35% Glass Filled PA6 (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 40% Glass Fiber Filled

Material Notes:

Ultramid B3WG7 BK00564 is a 35% glass fiber reinforced, pigmented black, injection molding PA6 grade for highly rigid, dimensionally stable components which are resistant to high temperature aging and have improved retention of properties in a hot water environment.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Ultramid-B3WG7-BK00564-35-Glass-Filled-PA6-Dry.php

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0509 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	ASTM Data; MD

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	188 MPa	27300 psi	5mm/min; ISO 527
Elongation at Break	2.9 %	2.9 %	5mm/min; ISO 527
Tensile Modulus	12.6 GPa	1830 ksi	1mm/min; ISO 527
Flexural Modulus	9.72 GPa	1410 ksi	ISO Data
Izod Impact, Notched (ISO)	11.2 kJ/m ²	5.33 ft-lb/in ²	ISO Test
Charpy Impact, Notched	0.920 J/cm ²	4.38 ft-lb/in ²	ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	10 K/min
Deflection Temperature at 1.8 MPa (264 psi)	215 °C	419 °F	ISO 75

Descriptive Properties	Value	Comments
Color	BK00564	
Commercial Status	Active America	
Impact Modified	No	
Primary Processing Technique	Injection Molding	

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