

BASF Ultramid® B3EG3 BK00564 15% Glass Filled PA6 (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 20% Glass Fiber Filled

Material Notes:

Ultramid B3EG3 BK00564 is a 15% glass fiber reinforced, pigmented black injection molding PA6 grade for housings with enhanced impact resistance.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Ultramid-B3EG3-BK00564-15-Glass-Filled-PA6-Dry.php

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in ³	ISO 1183
Water Absorption	2.6 %	2.6 %	24 hour; ISO Test
	8.0 %	8.0 %	ISO 62
Moisture Absorption at Equilibrium	2.6 %	2.6 %	23°C/50% R.H.; ISO 62
Linear Mold Shrinkage	0.0050 cm/cm	0.0050 in/in	ASTM Data; MD

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	115 MPa	16700 psi	0.2 in/min; ASTM Test
Tensile Strength, Ultimate	115 MPa	16700 psi	5mm/min; ISO 527
Elongation at Break	2.5 %	2.5 %	5mm/min; ISO 527
Tensile Modulus	6.06 GPa	879 ksi	1mm/min; ISO 527
Flexural Modulus	5.30 GPa	769 ksi	ISO Data
Izod Impact, Notched (ISO)	5.00 kJ/m ²	2.38 ft-lb/in ²	ISO Test
	4.50 kJ/m ² @Temperature -40.0 °C	2.14 ft-lb/in ² @Temperature -40.0 °F	ISO Test
Charpy Impact, Notched	0.500 J/cm ²	2.38 ft-lb/in ²	ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	10 K/min
	220 °C	428 °F	ASTM Test
Deflection Temperature at 0.46 MPa (66 psi)	217 °C	423 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	200 °C	392 °F	ISO 75

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

Contact Songhan Plastic Technology Co.,Ltd.

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