

BASF Ultramid® B3EG10 BK00564 50% Glass Filled PA6 (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 50% Glass Fiber Filled

Material Notes:

Ultramid B3EG10 BK00564 is a 50% glass fiber reinforced injection molding PA6 grade.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Ultramid-B3EG10-BK00564-50-Glass-Filled-PA6-Dry.php

Physical Properties	Metric	English	Comments
Density	1.55 g/cc	0.0560 lb/in ³	ISO 1183
Water Absorption	4.8 %	4.8 %	ISO 62
Moisture Absorption at Equilibrium	1.5 %	1.5 %	23°C/50% R.H.; ISO 62

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	203 MPa	29400 psi	5mm/min; ISO 527
Elongation at Break	2.1 %	2.1 %	5mm/min; ISO 527
Tensile Modulus	15.0 GPa	2180 ksi	1mm/min; ISO 527
Flexural Modulus	14.5 GPa	2100 ksi	ISO Data
Izod Impact, Notched (ISO)	12.0 kJ/m ²	5.71 ft-lb/in ²	ISO Test

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	10 K/min
Deflection Temperature at 0.46 MPa (66 psi)	218 °C	424 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	212 °C	414 °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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