

BASF Ultramid® B3GM35 BK 60564 40% Glass/Mineral Filled PA6 (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Glass/Mineral Reinforced

Material Notes:

Description: Ultramid B3GM35 BK60564 is a 40% combined glass-fiber and mineral reinforced, pigmented black injection molding PA6 grade. Applications: industrial articles requiring medium rigidity and high dimensional stability. Information provided by BASF

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Ultramid-B3GM35-BK-60564-40-GlassMineral-Filled-PA6-Dry.php

Physical Properties	Metric	English	Comments
Density	1.48 g/cc	0.0535 lb/in ³	ISO 1183
Moisture Absorption at Equilibrium	1.7 %	1.7 %	50% RH; ISO 62
	5.7 %	5.7 %	Saturation; ISO 62

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	128 MPa	18600 psi	ISO 527
Elongation at Break	3.0 %	3.0 %	ISO 527
Tensile Modulus	8.30 GPa	1200 ksi	ISO 178
Flexural Modulus	7.55 GPa	1100 ksi	ISO 178
Izod Impact, Notched (ISO)	3.90 kJ/m ²	1.86 ft-lb/in ²	ISO 180
	@Temperature -40.0 °C	@Temperature -40.0 °F	
	5.40 kJ/m ²	2.57 ft-lb/in ²	ISO 180
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	ISO 3146

Processing Properties	Metric	English	Comments
Melt Temperature	270 - 295 °C	518 - 563 °F	
Mold Temperature	80.0 - 95.0 °C	176 - 203 °F	
Dry Time	2 - 4 hour	2 - 4 hour	
Moisture Content	<= 0.10 %	<= 0.10 %	

Descriptive Properties	Value	Comments
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Descriptive Properties	Value	Comments
Commercial Status	North America	

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