

BASF Ultramid® B3ZG7 OSI BK23273 35% Glass Filled PA6 (Dry)

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

Material Notes:

Ultramid B3ZG7 OSI BK23273 is a 35% glass reinforced, pigmented black, heat stabilized, impact modified PA6 injection molding grade. It was developed to meet demanding mechanical and chemical requirements for the automotive oil pan application.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Ultramid-B3ZG7-OSI-BK23273-35-Glass-Filled-PA6-Dry.php

Physical Properties	Metric	English	Comments
Density	1.36 g/cc	0.0491 lb/in ³	ISO 1183
Water Absorption	1.1 %	1.1 %	24 hour; ISO Test
Linear Mold Shrinkage, Flow	0.023 cm/cm	0.023 in/in	ISO Data
Linear Mold Shrinkage, Transverse	0.059 cm/cm	0.059 in/in	ISO Data

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	170 MPa	24700 psi	5mm/min; ISO 527
Elongation at Break	3.5 %	3.5 %	5mm/min; ISO 527
Tensile Modulus	10.0 GPa	1450 ksi	1mm/min; ISO 527
Flexural Modulus	8.925 GPa	1294 ksi	ISO Data
Izod Impact, Notched (ISO)	25.0 kJ/m ²	11.9 ft-lb/in ²	ISO Test
	17.0 kJ/m ²	8.09 ft-lb/in ²	ISO Test
	@Temperature -40.0 °C	@Temperature -40.0 °F	
Charpy Impact Unnotched	10.2 J/cm ²	48.5 ft-lb/in ²	ISO 179
	11.3 J/cm ²	53.8 ft-lb/in ²	ISO 179
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	2.60 J/cm ²	12.4 ft-lb/in ²	ISO 179
	1.80 J/cm ²	8.57 ft-lb/in ²	ISO 179
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	10 K/min
Deflection Temperature at 0.46 MPa	220 °C	428 °F	

(56 psi) Thermal Properties	Metric	English	ISO 75 Comments
Deflection Temperature at 1.8 MPa (264 psi)	206 °C	403 °F	ISO 75

Descriptive Properties	Value	Comments
Color	BK23273	
Commercial Status	Preliminary	
Impact Modified	Yes	
Primary Processing Technique	Injection Molding	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China