

BASF Ultramid® BU50I BK 106 PA6 (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Unreinforced

Material Notes:

Description: Ultramid Ultratough Nylon BU50I BK-106 is an unreinforced PA6, impact modified, pigmented black, injection molding product that maintains its impact strength and ductility to -40 deg F (-40 deg C). The extreme low temperature tolerance of Ultramid BU50I BK106 makes it ideal for applications in which the weld line impact strength at low temperatures is critical. Applications: Automotive components, small engines, power tool parts and casings, cold weather and high impact sports gear, such as snowboards, ski components, helmets and hockey masks. Information provided by BASF

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Ultramid-BU50I-BK-106-PA6-Dry.php

Physical Properties	Metric	English	Comments
Density	1.06 g/cc	0.0383 lb/in ³	ASTM D792
Moisture Absorption at Equilibrium	2.1 %	2.1 %	50% RH; ASTM D570
	7.3 %	7.3 %	Saturation; ASTM D570
Linear Mold Shrinkage	0.04572 cm/cm	0.04572 in/in	1/8" bar

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	48.0 MPa	6960 psi	ASTM D638
Elongation at Break	>= 100 %	>= 100 %	ASTM D638
Flexural Strength	67.0 MPa	9720 psi	ASTM D790
Flexural Modulus	1.79 GPa	260 ksi	ASTM D790
Izod Impact, Notched (ISO)	NB	NB	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	ASTM D3418

Processing Properties	Metric	English	Comments
Melt Temperature	270 - 300 °C	518 - 572 °F	
Mold Temperature	60.0 - 85.0 °C	140 - 185 °F	
Dry Time	2 - 4 hour	2 - 4 hour	
Moisture Content	<= 0.15 %	<= 0.15 %	

Descriptive Properties	Value	Comments
Color	BK 106	
Commercial Status	North America	

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