

BASF Ultramid® 8233G HS BK-106 33% Glass Filled PA6 (Conditioned)

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 30% Glass Fiber Filled

Material Notes:

Ultramid 8233G HS BK-106 is a heat stabilized, weather resistant, 33% glass fiber reinforced PA6 injection molding compound offering excellent strength, stiffness, high temperature performance and dimensional stability. This balance of engineering properties in combination with excellent processability make it ideal in applications replacing metal, resulting in an overall cost and weight savings.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Ultramid-8233G-HS-BK-106-33-Glass-Filled-PA6-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.39 g/cc	0.0502 lb/in ³	dry; ISO 1183
Water Absorption	1.1 %	1.1 %	24 hour; ISO Test
	6.4 %	6.4 %	beginning dry; ISO 62
Moisture Absorption at Equilibrium	1.8 %	1.8 %	beginning dry (23°C/50% R.H.); ISO 62
Relative Viscosity	2.6 cP	2.6 cP	ISO Test; 96 % SAV
Viscosity Measurement	50	50	Formic Acid
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	ASTM Data; MD

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	100 MPa	14500 psi	0.2 in/min; ASTM Test
	60.0 MPa	8700 psi	ISO Data
	@Temperature 120 °C	@Temperature 248 °F	
	60.0 MPa	8700 psi	ASTM Test
	@Temperature 120 °C	@Temperature 248 °F	
	70.0 MPa	10200 psi	ASTM Test
	@Temperature 80.0 °C	@Temperature 176 °F	
	70.0 MPa	10200 psi	ISO Data
	@Temperature 80.0 °C	@Temperature 176 °F	
	215 MPa	31200 psi	ASTM Test
	@Temperature -40.0 °C	@Temperature -40.0 °F	
	215 MPa	31200 psi	ISO Data
	@Temperature -40.0 °C	@Temperature -40.0 °F	

Mechanical Properties	Metric	English	Comments
Elongation at Break	6.0 %	6.0 %	0.2 in/min; ASTM Test
	6.0 %	6.0 %	5mm/min; ISO 527
	2.5 %	2.5 %	ISO Data
	@Temperature -40.0 °C	@Temperature -40.0 °F	
	2.5 %	2.5 %	ASTM Test
	@Temperature -40.0 °C	@Temperature -40.0 °F	
	6.5 %	6.5 %	ASTM Test
	@Temperature 120 °C	@Temperature 248 °F	
	6.5 %	6.5 %	ASTM Test
	@Temperature 80.0 °C	@Temperature 176 °F	
	6.5 %	6.5 %	ISO Data
	@Temperature 120 °C	@Temperature 248 °F	
	6.5 %	6.5 %	ISO Data
	@Temperature 80.0 °C	@Temperature 176 °F	
Tensile Modulus	7.70 GPa	1120 ksi	1mm/min; ISO 527
	4.20 GPa	609 ksi	ISO Data
	@Temperature 120 °C	@Temperature 248 °F	
	4.60 GPa	667 ksi	ISO Data
	@Temperature 80.0 °C	@Temperature 176 °F	
	11.5 GPa	1670 ksi	ISO Data
	@Temperature -40.0 °C	@Temperature -40.0 °F	

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	10 K/min
	220 °C	428 °F	ASTM Test

Processing Properties	Metric	English	Comments
Melt Temperature	275 °C	527 °F	Injection molding
Mold Temperature	95.0 °C	203 °F	Injection molding

Descriptive Properties	Value	Comments
Color	BK-106	
Commercial Status	Active America	
Form	Pellets	
Impact Modified	No	
Primary Processing Technique	Injection Molding	
Processing	Injection Molding	
Special characteristic	Heat stabilized or stable to heat	
UL.UL -C	Yes	

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