

## BASF Ultramid® 8267G HS BK-106A 15/25% Glass/Mineral Filled PA6 (Dry)

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

### Material Notes:

Ultramid 8267G HS BK-106A is a heat stabilized, weather resistant, 40% mineral and glass fiber reinforced PA6 injection molding compound with improved UV resistance and sink mark resistance. The combination of mineral and glass fibers result in a high performance, low warp and cost effective engineering thermoplastic. It exhibits high strength, good UV resistance, rigidity and good heat distortion temperatures. It has a relatively high resistance to creep under load. The heat stabilizer system extends its retention of properties at elevated temperatures. It has good chemical resistance to greases, oils and hydrocarbons.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_BASF-Ultramid-8267G-HS-BK-106A-1525-GlassMineral-Filled-PA6-Dry.php](http://www.lookpolymers.com/polymer_BASF-Ultramid-8267G-HS-BK-106A-1525-GlassMineral-Filled-PA6-Dry.php)

Physical Properties	Metric	English	Comments
Density	1.48 g/cc	0.0535 lb/in <sup>3</sup>	ISO 1183
Water Absorption	0.90 %	0.90 %	24 hour; ISO Test
	5.7 %	5.7 %	ISO 62
Moisture Absorption at Equilibrium	1.6 %	1.6 %	23°C/50% R.H.; ISO 62
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	ASTM Data; MD

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	121	121	ASTM Test
Tensile Strength at Break	120 MPa	17400 psi	0.2 in/min; ASTM Test
Tensile Strength, Ultimate	118 MPa	17100 psi	5mm/min; ISO 527
Elongation at Break	2.0 %	2.0 %	5mm/min; ISO 527
	2.0 %	2.0 %	0.2 in/min; ASTM Test
Tensile Modulus	8.40 GPa	1220 ksi	1mm/min; ISO 527
Flexural Strength	170 MPa	24700 psi	ISO Data
	190 MPa	27600 psi	ASTM Test
Flexural Modulus	7.16 GPa	1040 ksi	ASTM Test
	7.30 GPa	1060 ksi	ISO Data
Izod Impact, Notched	0.550 J/cm	1.03 ft-lb/in	ASTM Test
	@Thickness 3.17 mm	@Thickness 0.125 in	
Charpy Impact Unnotched	4.40 J/cm <sup>2</sup>	20.9 ft-lb/in <sup>2</sup>	ISO 179

Mechanical Properties	Metric	English	Comments
Charpy Impact, Notched	0.500 J/cm <sup>2</sup>	2.38 ft-lb/in <sup>2</sup>	ISO 179
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear	31.0 µm/m-°C	17.2 µin/in-°F	ASTM Test
	@Temperature -30.0 - 30.0 °C	@Temperature -22.0 - 86.0 °F	
Melting Point	220 °C	428 °F	10 K/min
	220 °C	428 °F	ASTM Test
Deflection Temperature at 0.46 MPa (66 psi)	215 °C	419 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	200 °C	392 °F	ISO 75
Flammability, UL94	HB	HB	
	HB	HB	
	@Thickness 3.00 mm	@Thickness 0.118 in	

Descriptive Properties	Value	Comments
Color	BK-106A	
Commercial Status	Active America	
Impact Modified	No	
Primary Processing Technique	Injection Molding	
UL-UL-C	Yes	

## Contact Songhan Plastic Technology Co.,Ltd.

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