

PolyOne Bergamid™ B700 Mi10 UF Polyamide 6 (Nylon 6)

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Bergamid-B700-Mi10-UF-Polyamide-6-Nylon-6.php

Physical Properties	Metric	English	Comments
Density	1.26 g/cc	0.0455 lb/in³	±0.03 g/cm³; DIN 53479
Ash	10 %	10 %	ISO 3451

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	70.0 MPa	10200 psi	ISO 527-2/5
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Elongation at Break	3.0 %	3.0 %	ISO 527-2/5
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Tensile Modulus	3.70 GPa	537 ksi	ISO 527-2/1
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact Unnotched	19.0 J/cm²	90.4 ft-lb/in²	ISO 179/1eU
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.630 J/cm²	3.00 ft-lb/in²	ISO 179/1eA
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	223 °C	433 °F	ISO 3146
Flammability, UL94	V-2	V-2	ALL; Internal Method
	@Thickness 1.60 mm	@Thickness 0.0630 in	
Glow Wire Test	960 °C	1760 °F	1.6 mm wire; Ignition Temperature; IEC 60695-2-13
	@Thickness 3.00 mm	@Thickness 0.118 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+12 ohm-cm	1.00e+12 ohm-cm	IEC 60093
Surface Resistance	1.00e+10 ohm	1.00e+10 ohm	IEC 60093

Electrical Properties	Dielectric Index	Metric	English	Comments
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Descriptive Properties	Value	Comments
Filler / Reinforcement	Mineral Filler, 10% Filler by Weight	
Forms	Pellets	
Generic Material	Nylon 6	
Generic Name	Polyamide 6 (Nylon 6)	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
RoHS Compliance	RoHS Compliant	

Contact Songhan Plastic Technology Co.,Ltd.

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