

PolyOne Bergamid™ B70 G30 BK 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-B70-G30-BK-Polyamide-6-Nylon-6.php

Mechanical Properties	Metric	English	Comments
Tensile Strength	115 MPa	16700 psi	5.0 mm/min; ISO 527
	@Thickness 4.00 mm, Temperature 23.0 °C	@Thickness 0.157 in, Temperature 73.4 °F	
Elongation at Break	5.0 %	5.0 %	5.0 mm/min; ISO 527
	@Thickness 4.00 mm, Temperature 23.0 °C	@Thickness 0.157 in, Temperature 73.4 °F	
Tensile Modulus	6.30 GPa	914 ksi	Injection Molded; ISO 527-2/1
	@Thickness 4.00 mm, Temperature 23.0 °C	@Thickness 0.157 in, Temperature 73.4 °F	
Charpy Impact Unnotched	>= 10.0 J/cm²	>= 47.6 ft-lb/in²	Injection Molded; ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	2.80 J/cm²	13.3 ft-lb/in²	Injection Molded; ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Flammability, UL94	HB	HB	ALL; Internal Method
	@Thickness 0.800 - 3.00 mm	@Thickness 0.0315 - 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

Descriptive Properties	Value	Comments
Generic Material	Nylon 6	
Generic Name	Polyamide 6 (Nylon 6)	
Regional Availability	Europe	

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