

**PolyOne Bergamid™ B70 G45 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-G45-BK-Polyamide-6-Nylon-6.php](http://www.lookpolymers.com/polymer_PolyOne-Bergamid-B70-G45-BK-Polyamide-6-Nylon-6.php)

Mechanical Properties	Metric	English	Comments
Tensile Strength	150 MPa	21800 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	3.5 %	3.5 %	5.0 mm/min; ISO 527
	@Thickness 4.00 mm, Temperature 23.0 °C	@Thickness 0.157 in, Temperature 73.4 °F	
Tensile Modulus	10.0 GPa	1450 ksi	Injection Molded; ISO 527-2/1
	@Thickness 4.00 mm, Temperature 23.0 °C	@Thickness 0.157 in, 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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