

## PolyOne Bergamid™ B70 GK/Mi30 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-GKMi30-BK-Polyamide-6-Nylon-6.php](http://www.lookpolymers.com/polymer_PolyOne-Bergamid-B70-GKMi30-BK-Polyamide-6-Nylon-6.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.37 g/cc	1.37 g/cc	±0.03; ISO 1183
Linear Mold Shrinkage, Flow	0.010 - 0.015 cm/cm	0.010 - 0.015 in/in	Injection Molded, Bergmann Method; ASTM D955
	@Thickness 4.00 mm, Temperature 23.0 °C	@Thickness 0.157 in, Temperature 73.4 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength	68.0 MPa	9860 psi	Injection Molded, 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	>= 4.0 %	>= 4.0 %	5.0 mm/min; ISO 527
	@Thickness 4.00 mm, Temperature 23.0 °C	@Thickness 0.157 in, Temperature 73.4 °F	
Tensile Modulus	5.30 GPa	769 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	2.50 J/cm²	11.9 ft-lb/in²	Injection Molded; ISO 179
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	3.10 J/cm²	14.8 ft-lb/in²	Injection Molded; ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.200 J/cm²	0.952 ft-lb/in²	ISO 179
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	0.240 J/cm²	1.14 ft-lb/in²	ISO 179/1eA
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Flammability, UL94	HB	HB	ALL; Internal Method
	@Thickness 3.20 mm	@Thickness 0.126 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	ASTM D257
Surface Resistance	1.00e+15 ohm	1.00e+15 ohm	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	240 - 280 °C	464 - 536 °F	
Mold Temperature	65.0 - 85.0 °C	149 - 185 °F	
Drying Temperature	80.0 °C	176 °F	
Dry Time	4.00 hour	4.00 hour	

Descriptive Properties	Value	Comments
Appearance	Natural Color	
Features	Good Dimensional Stability	
	Good Impact Resistance	
	Good Stiffness	
	Good UV Resistance	
Filler / Reinforcement	Glass BeadMineral, 30% Filler by Weight	
Forms	Pellets	
Generic Material	Nylon 6	
Generic Name	Polyamide 6 (Nylon 6)	
Processing Method	Injection Molding	
Regional Availability	Europe	
RoHS Compliance	RoHS Compliant	

## Contact Songhan Plastic Technology Co.,Ltd.

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