

## PolyOne Bergamid™ A70 G50 HW SO Polyamide 66 (Nylon 66)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

### Material Notes:

Information provided by PolyOne

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Bergamid-A70-G50-HW-SO-Polyamide-66-Nylon-66.php](http://www.lookpolymers.com/polymer_PolyOne-Bergamid-A70-G50-HW-SO-Polyamide-66-Nylon-66.php)

Physical Properties	Metric	English	Comments
Density	1.56 g/cc	0.0564 lb/in <sup>3</sup>	ISO 1183
Viscosity Measurement	130 - 170	130 - 170	cm <sup>3</sup> /g; ISO 307

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	230 MPa @Temperature 23.0 °C	33400 psi @Temperature 73.4 °F	ISO 527-2
Elongation at Break	2.0 % @Temperature 23.0 °C	2.0 % @Temperature 73.4 °F	ISO 527-2
Tensile Modulus	16.5 GPa @Temperature 23.0 °C	2390 ksi @Temperature 73.4 °F	ISO 527-2/1
Charpy Impact Unnotched	9.00 J/cm <sup>2</sup> @Temperature 23.0 °C	42.8 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179
Charpy Impact, Notched	1.00 J/cm <sup>2</sup> @Temperature 23.0 °C	4.76 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	261 °C	502 °F	ISO 3146
Deflection Temperature at 0.46 MPa (66 psi)	250 °C	482 °F	Unannealed; ISO 75-2/B
Deflection Temperature at 1.8 MPa (264 psi)	250 °C	482 °F	Unannealed; ISO 75-2/A
Flammability, UL94	HB @Thickness 0.800 mm	HB @Thickness 0.0315 in	UL 94
	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	UL 94

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	IEC 60093
Surface Resistance	1.00e+13 ohm	1.00e+13 ohm	IEC 60093
Dielectric Strength	90.0 kV/mm	2290 kV/in	IEC 60243-1
Comparative Tracking Index	500 V	500 V	Solution A; IEC 60112

Descriptive Properties	Value	Comments
Additive	Heat Stabilizer	
	Hydrolysis Resistant	
Features	General Purpose	
Filler / Reinforcement	Glass Fiber Reinforcement, 50% Filler by Weight	
Forms	Granules	
Generic Material	Nylon 66	
Generic Name	Polyamide 66 (Nylon 66)	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	

## Contact Songhan Plastic Technology Co.,Ltd.

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