

## PolyOne Bergamid™ A70 G25 U-SO TM 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-G25-U-SO-TM-Polyamide-66-Nylon-66.php](http://www.lookpolymers.com/polymer_PolyOne-Bergamid-A70-G25-U-SO-TM-Polyamide-66-Nylon-66.php)

Physical Properties	Metric	English	Comments
Density	1.40 g/cc @Temperature 23.0 °C	0.0506 lb/in³ @Temperature 73.4 °F	±0.03 g/cm³; DIN 53479
Ash	>= 25 %	>= 25 %	ISO 3451

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	125 MPa @Thickness 4.00 mm, Temperature 23.0 °C	18100 psi @Thickness 0.157 in, Temperature 73.4 °F	Injection Molded; ISO 527-2/5
Elongation at Break	>= 2.0 % @Temperature 23.0 °C	>= 2.0 % @Temperature 73.4 °F	ISO 527-2/5
Tensile Modulus	8.00 GPa @Thickness 4.00 mm, Temperature 23.0 °C	1160 ksi @Thickness 0.157 in, Temperature 73.4 °F	Injection Molded; ISO 527-2/1
Charpy Impact Unnotched	5.50 J/cm² @Temperature -30.0 °C	26.2 ft-lb/in² @Temperature -22.0 °F	ISO 179/1eA
Charpy Impact, Notched	0.700 J/cm² @Temperature 23.0 °C	3.33 ft-lb/in² @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	261 °C	502 °F	ISO 3146
Maximum Service Temperature, Air	120 °C	248 °F	Continuous (GTP 50% Tensile); IEC 60216
	220 °C	428 °F	Short Time; IEC 60216
Deflection Temperature at 0.46 MPa (66 psi)	250 °C	482 °F	Unannealed; ISO 75-2/B
Flammability, UL94	V-0 @Thickness 0.800 -	V-0 @Thickness 0.0315 -	ALL; UL 94

Thermal Properties	3.00 mm Metric	0.118 in English	Comments
Glow Wire Test	750 °C	1380 °F	Ignition Temperature; IEC 60695-2-13
	@Thickness 1.60 mm	@Thickness 0.0630 in	
	775 °C	1430 °F	Ignition Temperature; IEC 60695-2-13
	@Thickness 3.00 mm	@Thickness 0.118 in	
	960 °C	1760 °F	Flammability Index; IEC 60695-2-12
	@Thickness 0.800 - 3.00 mm	@Thickness 0.0315 - 0.118 in	

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
Comparative Tracking Index	>= 400 V	>= 400 V	Solution A; IEC 60112

Descriptive Properties	Value	Comments
Additive	Heat Stabilizer	
Features	Flame Retardant	
	Halogen Free	
	Heat Stabilized	
	High Impact Resistance	
Filler / Reinforcement	Glass Fiber Reinforcement, 25% Filler by Weight	
Forms	Pellets	
Generic Material	Nylon 66	
Generic Name	Polyamide 66 (Nylon 66)	
Regional Availability	Europe	
RoHS Compliance	RoHS Compliant	

## Contact Songhan Plastic Technology Co.,Ltd.

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