

PolyOne Bergamid™ A700 G25 HW UF 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-A700-G25-HW-UF-Polyamide-66-Nylon-66.php

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in³	±0.03 g/cm³; DIN 53479

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	130 MPa @Temperature 23.0 °C	18900 psi @Temperature 73.4 °F	ISO 527-2/5
Elongation at Break	2.5 % @Temperature 23.0 °C	2.5 % @Temperature 73.4 °F	ISO 527-2/5
Tensile Modulus	10.0 GPa @Temperature 23.0 °C	1450 ksi @Temperature 73.4 °F	ISO 527-2/1
Charpy Impact Unnotched	5.50 J/cm² @Temperature 23.0 °C	26.2 ft-lb/in² @Temperature 73.4 °F	ISO 179/1eU
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
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)	240 °C	464 °F	Unannealed; ISO 75-2/A
Flammability, UL94	V-0 @Thickness 0.800 mm	V-0 @Thickness 0.0315 in	ALL; Internal Method
Glow Wire Test	960 °C @Thickness 3.00 mm	1760 °F @Thickness 0.118 in	0.8 mm wire; Ignition Temperature; IEC 60695-2-13

Electrical Properties	Metric	English	Comments
-----------------------	--------	---------	----------

Volume Resistivity Electrical Properties	1.00e+15 ohm-cm Metric	1.00e+15 ohm-cm English	IEC 60093 Comments
Surface Resistance	1.00e+13 ohm	1.00e+13 ohm	IEC 60093

Descriptive Properties	Value	Comments
Additive	Heat Stabilizer	
Features	Flame Retardant	
	Halogen Free	
	Heat Stabilized	
	Low (to None) Phosphorus Content	
Filler / Reinforcement	Glass Fiber Reinforcement, 25% Filler by Weight	
Forms	Pellets	
Generic Material	Nylon 66	
Generic Name	Polyamide 66 (Nylon 66)	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
RoHS Compliance	RoHS Compliant	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China