

PolyOne Bergamid™ A70 UF natur V0 Polyamide 66 (Nylon 66)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

PA66 unreinforced general-purpose injection molding grade Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Bergamid-A70-UF-natur-V0-Polyamide-66-Nylon-66.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc @Temperature 23.0 °C	0.0412 lb/in ³ @Temperature 73.4 °F	±0.03 g/cm ³ ; DIN 53479

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	70.0 MPa @Temperature 23.0 °C	10200 psi @Temperature 73.4 °F	ISO 527-2/50
Elongation at Yield	4.0 % @Temperature 23.0 °C	4.0 % @Temperature 73.4 °F	ISO 527-2/50
Tensile Modulus	3.50 GPa @Temperature 23.0 °C	508 ksi @Temperature 73.4 °F	ISO 527-2/1
Charpy Impact Unnotched	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	ISO 179/1eU
Charpy Impact, Notched	0.500 J/cm ² @Temperature 23.0 °C	2.38 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	260 °C	500 °F	ISO 3146
Flammability, UL94	V-0 @Thickness 0.400 - 3.00 mm	V-0 @Thickness 0.0157 - 0.118 in	UL 94
Glow Wire Test	960 °C @Thickness 0.400 - 3.00 mm	1760 °F @Thickness 0.0157 - 0.118 in	Flammability Index; IEC 60695-2-12

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+12 ohm-cm	1.00e+12 ohm-cm	IEC 60093

Surface Resistance Electrical Properties	1.00e+10 ohm Metric	1.00e+10 ohm English	IEC 60093 Comments
Comparative Tracking Index	600 V	600 V	Solution A; IEC 60112

Descriptive Properties	Value	Comments
Appearance	Opaque	
Forms	Pellets	
Generic Material	Nylon 66	
Generic Name	Polyamide 66 (Nylon 66)	
K-Value	74.0 to 78.0	No Standard; 96% H2SO4
Regional Availability	Europe	
RoHS Compliance	RoHS Compliant	

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