

PolyOne Bergamid™ A700 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-Polyamide-66-Nylon-66.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	60.0 MPa @Temperature 23.0 °C	8700 psi @Temperature 73.4 °F	dry as moulded; ISO 527-2/50
Elongation at Yield	25 % @Temperature 23.0 °C	25 % @Temperature 73.4 °F	dry as moulded; ISO 527-2/50
Tensile Modulus	1.60 GPa @Temperature 23.0 °C	232 ksi @Temperature 73.4 °F	dry as moulded; ISO 527-2/1
Charpy Impact Unnotched	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	ISO 179/1eU
Charpy Impact, Notched	2.50 J/cm ² @Temperature 23.0 °C	11.9 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eA

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+12 ohm-cm	1.00e+12 ohm-cm	IEC 60093
Surface Resistance	1.00e+10 ohm	1.00e+10 ohm	IEC 60093
Dielectric Constant	5.0 @Frequency 1.00e+6 Hz	5.0 @Frequency 1.00e+6 Hz	IEC 60250
Dielectric Strength	80.0 kV/mm	2030 kV/in	IEC 60243-1
Dissipation Factor	0.20 @Frequency 1.00e+6 Hz	0.20 @Frequency 1.00e+6 Hz	IEC 60250
Comparative Tracking Index	600 V	600 V	Solution A; IEC 60112

Processing Properties	Metric	English	Comments
Melt Temperature	270 - 290 °C	518 - 554 °F	
Mold Temperature			

Processing Properties	40.0 - 80.0 °C Metric	104 - 176 °F English	Comments
Drying Temperature	80.0 °C	176 °F	Desiccant Dryer
Dry Time	4.00 - 8.00 hour	4.00 - 8.00 hour	Desiccant Dryer

Descriptive Properties	Value	Comments
Generic Material	Nylon 66	
Generic Name	Polyamide 66 (Nylon 66)	
Regional Availability	Asia Pacific	
	Europe	
	North America	

Contact Songhan Plastic Technology Co.,Ltd.

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