

Bergamid™ A70 G15 TM-Z

Polyamide 66

PolyOne Corporation

Message:

Bergamid™ A70 G15 TM-Z is a Polyamide 66 (Nylon 66) product filled with 15% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Primary characteristic: impact modified.

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
Additive	Impact Modifier		
Features	General Purpose		
Forms	Granules		
Physical	Nominal Value	Unit	Test Method
Density ¹	1.20	g/cm ³	ISO 1183
Molding Shrinkage - Flow ² (4.00 mm)	0.30 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	4800	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	100	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	5.0	%	ISO 527-2
Flexural Modulus	3850	MPa	ISO 178
Flexural Stress	123	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	6.0	kJ/m ²	
23°C	15	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-30°C	82	kJ/m ²	
23°C	68	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	> 243	°C	ISO 75-2/A
Melting Temperature (DSC)	261	°C	ISO 3146
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms · cm	IEC 60093
NOTE			
1.	±0.02		
2.	Bergmann method		

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