



Bergamid™ A70 G15 TM-Z

Polyamide 66

Key Characteristics

General	
Material Status	• Commercial: Active
Regional Availability	• Africa & Middle East • Europe • Asia Pacific • Latin America • North America
Filler / Reinforcement	• Glass Fiber, 15% Filler by Weight
Additive	• Impact Modifier
Features	• General Purpose
Forms	• Granules

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density ²	1.20 g/cm ³	1.20 g/cm ³	ISO 1183
Molding Shrinkage - Flow ³ (0.157 in (4.00 mm))	3.0E-3 to 7.0E-3 in/in	0.30 to 0.70 %	ASTM D955
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus (73°F (23°C))	696000 psi	4800 MPa	ISO 527-2/1
Tensile Stress (Break, 73°F (23°C))	14500 psi	100 MPa	ISO 527-2
Tensile Strain (Break, 73°F (23°C))	5.0 %	5.0 %	ISO 527-2
Flexural Modulus	558000 psi	3850 MPa	ISO 178
Flexural Stress	17800 psi	123 MPa	ISO 178
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength			ISO 179
-22°F (-30°C)	2.9 ft·lb/in ²	6.0 kJ/m ²	
73°F (23°C)	7.1 ft·lb/in ²	15 kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-22°F (-30°C)	39 ft·lb/in ²	82 kJ/m ²	
73°F (23°C)	32 ft·lb/in ²	68 kJ/m ²	
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Heat Deflection Temperature			ISO 75-2/A
264 psi (1.8 MPa), Unannealed	> 469 °F	> 243 °C	
Melting Temperature (DSC)	502 °F	261 °C	ISO 3146
Electrical	Typical Value (English)	Typical Value (SI)	Test Method
Surface Resistivity	1.0E+13 ohms	1.0E+13 ohms	IEC 60093
Volume Resistivity	1.0E+15 ohms·cm	1.0E+15 ohms·cm	IEC 60093

Notes

¹ Typical values are not to be construed as specifications.

² ±0.02

³ Bergmann method

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