



Bergamid™ A700 G25 HW UF

Polyamide 66

Key Characteristics

General		
Material Status	• Commercial: Active	
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • North America
Filler / Reinforcement	• Glass Fiber, 25% Filler by Weight	
Additive	• Heat Stabilizer	
Features	• Flame Retardant • Halogen Free	• Heat Stabilized • Low (to None) Phosphorus Content
RoHS Compliance	• RoHS Compliant	
Forms	• Pellets	

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density ²	1.40 g/cm ³	1.40 g/cm ³	DIN 53479
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus (73°F (23°C))	1.31E+6 psi	9000 MPa	ISO 527-2/1
Tensile Stress (Break, 73°F (23°C))	16000 psi	110 MPa	ISO 527-2/5
Tensile Strain (Break, 73°F (23°C))	2.4 %	2.4 %	ISO 527-2/5
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	2.9 ft·lb/in ²	6.0 kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength 73°F (23°C)	23 ft·lb/in ²	48 kJ/m ²	ISO 179/1eU
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Heat Deflection Temperature 66 psi (0.45 MPa), Unannealed	482 °F	250 °C	ISO 75-2/B
Heat Deflection Temperature 264 psi (1.8 MPa), Unannealed	464 °F	240 °C	ISO 75-2/A
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
Comparative Tracking Index (CTI)	550 V	550 V	UL 746
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating 0.02 to 0.12 in (0.4 to 3.0 mm), ALL	V-0	V-0	Internal Method
Glow Wire Flammability Index 0.03 to 0.12 in (0.8 to 3.0 mm)	1760 °F	960 °C	IEC 60695-2-12

Notes

¹ Typical values are not to be construed as specifications.

² ±0.03 g/cm³

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