



Bergamid™ A70 G15 UF Natural Polyamide 66

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East	• Europe	
Filler / Reinforcement	• Glass Fiber, 15% Filler by Weight		
Features	• Flame Retardant	• Halogen Free	• Low (to None) Phosphorus Content
Appearance	• Natural Color		
Forms	• Pellets		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density ²	1.26 g/cm ³	1.26 g/cm ³	ISO 1183
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	986000 psi	6800 MPa	ISO 527-2
Tensile Stress (Break)	18900 psi	130 MPa	ISO 527-2
Tensile Strain (Break)	3.0 %	3.0 %	ISO 527-2
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	4.3 ft·lb/in ²	9.0 kJ/m ²	ISO 179
Charpy Unnotched Impact Strength 73°F (23°C)	19 ft·lb/in ²	40 kJ/m ²	ISO 179
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Heat Deflection Temperature 264 psi (1.8 MPa), Unannealed	455 °F	235 °C	ISO 75-2/A
Melting Temperature (DSC)	491 to 509 °F	255 to 265 °C	ISO 3146
Electrical	Typical Value (English)	Typical Value (SI)	Test Method
Comparative Tracking Index	500 V	500 V	IEC 60112
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating (0.13 in (3.2 mm))	V-0	V-0	UL 94

Notes

¹ Typical values are not to be construed as specifications.

² ±0.2