



Bergamid™ B70 G15 Natural TM-X

Polyamide 6

Key Characteristics

Product Description

Glass fiber reinforced PA6 compound with impact modified.

General

Material Status	• Commercial: Active
Regional Availability	• Africa & Middle East • Europe
Filler / Reinforcement	• Glass Fiber, 15% Filler by Weight
Features	• Impact Modified
Appearance	• Natural Color
Processing Method	• Injection Molding

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.20 to 1.24 g/cm ³	1.20 to 1.24 g/cm ³	ISO 1183
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	725000 psi	5000 MPa	ISO 527-2
Tensile Stress	17400 psi	120 MPa	ISO 527-2
Tensile Strain (Break)	3.5 %	3.5 %	ISO 527-2
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength	4.3 ft·lb/in ²	9.0 kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	29 ft·lb/in ²	60 kJ/m ²	ISO 179
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Heat Deflection Temperature 66 psi (0.45 MPa), Unannealed	< 401 °F	< 205 °C	ISO 75-2/B
Heat Deflection Temperature 264 psi (1.8 MPa), Unannealed	< 392 °F	< 200 °C	ISO 75-2/A
Melting Temperature (DSC)	419 to 437 °F	215 to 225 °C	ISO 3146
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating (0.13 in (3.2 mm))	HB	HB	UL 94
FMVSS Burning Speed	< 4 in/min	< 100 mm/min	DIN 75200

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr
Processing (Melt) Temp	500 to 554 °F	260 to 290 °C
Mold Temperature	122 to 194 °F	50 to 90 °C

Notes

¹ Typical values are not to be construed as specifications.

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