



Bergamid™ B70 G10 Natural TM-Z

Polyamide 6

Key Characteristics

Product Description

Bergamid B70 G10 TM-Z is a impact modified Polyamide 6 (Nylon 6) product filled with 10% glass fiber and it can be processed by injection molding

General

Material Status	• Commercial: Active
Regional Availability	• Europe
Filler / Reinforcement	• Glass Fiber, 10% Filler by Weight
Features	• Impact Modified
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Injection Molding

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.15 g/cm ³	1.15 g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	0.83 %	0.83 %	
Flow	0.51 %	0.51 %	
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	522000 psi	3600 MPa	ISO 527-2
Tensile Strength	10900 psi	75.0 MPa	ISO 527
Tensile Strain (Break)	6.0 %	6.0 %	ISO 527
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength			ISO 179
-22°F (-30°C)	3.3 ft·lb/in ²	7.0 kJ/m ²	
73°F (23°C)	9.0 ft·lb/in ²	19 kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-22°F (-30°C)	30 ft·lb/in ²	63 kJ/m ²	
73°F (23°C)	39 ft·lb/in ²	82 kJ/m ²	
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Continuous Use Temperature	194 °F	90.0 °C	IEC 216
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating	HB	HB	UL 94

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	4.0 hr	4.0 hr
Processing (Melt) Temp	482 to 536 °F	250 to 280 °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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