



Bergamid™ B70 G30 Black MT3 UV

Polyamide 6

Key Characteristics

Product Description

Bergamid B70 G30 H Black UV is a Polyamide 6 (Nylon 6) product filled with 30% glass fiber. It can be processed by injection molding and its features are heat and UV stabilized.

General

Material Status	• Commercial: Active
Regional Availability	• Asia Pacific
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Features	• Heat Stabilized • UV Resistant
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.34 to 1.38 g/cm ³	1.34 to 1.38 g/cm ³	ISO 1183
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	1.38E+6 psi	9500 MPa	ISO 527-2
Tensile Strength	21800 psi	150 MPa	ISO 527
Tensile Strain (Break)	2.0 to 5.0 %	2.0 to 5.0 %	ISO 527
Flexural Strength	32600 psi	225 MPa	ISO 178
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	5.2 ft·lb/in ²	11 kJ/m ²	ISO 179
Charpy Unnotched Impact Strength 73°F (23°C)	33 ft·lb/in ²	70 kJ/m ²	ISO 179
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Melting Temperature (DSC)	419 to 437 °F	215 to 225 °C	ISO 3146

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	< 4.0 hr	< 4.0 hr
Suggested Max Moisture	< 0.10 %	< 0.10 %
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.