



Bergamid™ B70 MI30 H U BLACK SO

Polyamide 6

Key Characteristics

General	
Material Status	• Commercial: Active
Regional Availability	• Africa & Middle East • Europe • Asia Pacific • North America
Filler / Reinforcement	• Mineral, 30% Filler by Weight
Features	• Halogen Free • Heat Stabilized
RoHS Compliance	• RoHS Compliant
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity ²	1.45	1.45	ISO 1183
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength	8700 psi	60.0 MPa	ISO 527
Tensile Elongation (Break)	2.0 %	2.0 %	ISO 527
Flexural Modulus	1.02E+6 psi	7000 MPa	ISO 178
Flexural Stress	14500 psi	100 MPa	ISO 178
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength	1.2 ft·lb/in ²	2.5 kJ/m ²	ISO 179/1eA
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load 264 psi (1.8 MPa), Unannealed	365 °F	185 °C	ISO 75-2
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Burning Rate	< 3.9 in/min	< 100 mm/min	ISO 3795
Flame Rating			
0.06 in (1.6 mm)	V-0	V-0	UL 94
0.13 in (3.2 mm)	V-0	V-0	Internal Method
Glow Wire Flammability Index			IEC 60695-2-12
0.13 in (3.2 mm)	1760 °F	960 °C	

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 to 194 °F	80 to 90 °C
Drying Time	2.0 to 4.0 hr	2.0 to 4.0 hr
Processing (Melt) Temp	482 to 518 °F	250 to 270 °C
Mold Temperature	104 to 176 °F	40 to 80 °C

Notes

¹ Typical values are not to be construed as specifications.

² +/-0.02