



Bergamid™ A70 G10 U BLACK SO

Polyamide 66

Key Characteristics

Product Description	
Glass fiber reinforced, flame retardant PA66 compound	
General	
Material Status	• Commercial: Active
Regional Availability	• Africa & Middle East • Europe
Filler / Reinforcement	• Glass Fiber, 10% Filler by Weight
Features	• Flame Retardant
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density ²	1.29 g/cm ³	1.29 g/cm ³	ISO 1183
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	827000 psi	5700 MPa	ISO 527-2
Tensile Stress	12300 psi	85.0 MPa	ISO 527-2
Tensile Strain (Break)	2.0 %	2.0 %	ISO 527-2
Flexural Modulus	682000 psi	4700 MPa	ISO 178
Flexural Stress	21000 psi	145 MPa	ISO 178
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	0.95 ft·lb/in ²	2.0 kJ/m ²	ISO 179
Charpy Unnotched Impact Strength 73°F (23°C)	9.5 ft·lb/in ²	20 kJ/m ²	ISO 179
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating (0.06 in (1.6 mm))	V-0	V-0	UL 94
Glow Wire Flammability Index 0.06 in (1.6 mm)	1760 °F	960 °C	IEC 60695-2-12

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	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.

² +/-0.02