



Bergamid™ B70 G15 MI25 Black UV

Polyamide 6

Key Characteristics

Product Description	
Glass fiber and mineral reinforced PA6 compound with heat stabilized.	
General	
Material Status	• Commercial: Active
Regional Availability	• Europe
Filler / Reinforcement	• Glass\Mineral, 40% Filler by Weight
Features	• UV Stabilized
Appearance	• Black
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 Modulus	1.45E+6 psi	10000 MPa	ISO 527-2
Tensile Stress (Break)	17400 psi	120 MPa	ISO 527-2
Tensile Strain (Break)	3.0 %	3.0 %	ISO 527-2
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength	1.9 ft-lb/in ²	4.0 kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	17 ft-lb/in ²	36 kJ/m ²	ISO 179
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Heat Deflection Temperature 66 psi (0.45 MPa), Unannealed	392 °F	200 °C	ISO 75-2/B
Heat Deflection Temperature 264 psi (1.8 MPa), Unannealed	356 °F	180 °C	ISO 75-2/A
Service Temperature Long Term	230 °F	110 °C	IEC 60216
Short Term	180	180	
Electrical	Typical Value (English)	Typical Value (SI)	Test Method
Comparative Tracking Index	500 V	500 V	IEC 60112
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating	HB	HB	Internal Method
FMVSS Burning Speed	< 4 in/min	< 100 mm/min	DIN 75200
Additional Information	Typical Value (English)	Typical Value (SI)	
Reinforcement Content ³	40.0	40.0	

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	464 to 536 °F	240 to 280 °C
Mold Temperature	140 to 185 °F	60 to 85 °C

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Injection Notes

Injection Pressure: MED-HIGH
Hold Pressure: MED-HIGH
Screw Speed: MODERATE
Back Pressure: LOW

Notes

¹ Typical values are not to be construed as specifications.

² +/-0.2

³ +/-2

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