



Bergamid™ B70 G25 H U-SO Black 70

Polyamide 6

Key Characteristics

General	
Material Status	• Commercial: Active
Regional Availability	• Europe
Filler / Reinforcement	• Glass\Mineral, 25% Filler by Weight
Features	• Flame Retardant • Good Stiffness • Good Impact Resistance • Good Strength
Uses	• Automotive Applications • General Purpose • Consumer Applications • Industrial Applications
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	1.37	1.37	ISO 1183
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	1.22E+6 psi	8400 MPa	ISO 527-2/1
Tensile Stress	17400 psi	120 MPa	ISO 527-2/5
Tensile Elongation ² (Break)	2.5 %	2.5 %	ISO 527-2
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact Strength	3.6 ft-lb/in ²	7.5 kJ/m ²	ISO 180/A
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating (0.06 in (1.6 mm))	V-0	V-0	Internal Method
Glow Wire Flammability Index 0.08 in (2.0 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	2.0 to 3.0 hr	2.0 to 3.0 hr
Rear Temperature	446 to 464 °F	230 to 240 °C
Middle Temperature	455 to 473 °F	235 to 245 °C
Front Temperature	464 to 482 °F	240 to 250 °C
Nozzle Temperature	482 to 500 °F	250 to 260 °C
Mold Temperature	176 °F	80 °C

Notes

¹ Typical values are not to be construed as specifications.

² 0.20 in/min (5.0 mm/min)

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