



Bergamid™ A70 G30 H Black 70

Polyamide 66

Key Characteristics

Product Description	
30% glass fiber reinforced, heat stabilized PA 6.6 resin for injection molding.	
General	
Material Status	• Commercial: Active
Regional Availability	• Europe
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Features	• Good Hardness • Good Heat Resistance • Good Impact Resistance • Good Processability • Good Stiffness • Good Strength • Heat Stabilized
Uses	• Automotive Applications • Consumer Applications • General Purpose • Industrial Applications
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.36 g/cm ³	1.36 g/cm ³	ISO 1183
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	1.33E+6 psi	9200 MPa	ISO 527-2/1
Tensile Stress	23200 psi	160 MPa	ISO 527-2/5
Tensile Strain (Break)	2.5 %	2.5 %	ISO 527-2/5
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact Strength	3.8 ft-lb/in ²	8.0 kJ/m ²	ISO 180/A
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Heat Deflection Temperature 264 psi (1.8 MPa), Unannealed	473 °F	245 °C	ISO 75-2/A
Vicat Softening Temperature	491 °F	255 °C	ISO 306/A120
Melting Temperature	500 to 509 °F	260 to 265 °C	
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating	HB	HB	UL 94

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
Rear Temperature	518 to 536 °F	270 to 280 °C
Middle Temperature	527 to 545 °F	275 to 285 °C
Front Temperature	536 to 554 °F	280 to 290 °C
Nozzle Temperature	554 to 572 °F	290 to 300 °C
Mold Temperature	149 to 185 °F	65 to 85 °C

Notes

¹ Typical values are not to be construed as specifications.