



# Bergamid™ A70 G/GK30 H Natural

## Polyamide 66

### Key Characteristics

General	
Material Status	• Commercial: Active
Regional Availability	• Europe
Filler / Reinforcement	• Glass Bead\Glass Fiber, 30% Filler by Weight
Features	• Heat Stabilized
Appearance	• Natural Color

### Technical Properties <sup>1</sup>

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.34 to 1.38 g/cm <sup>3</sup>	1.34 to 1.38 g/cm <sup>3</sup>	ISO 1183
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	1.02E+6 psi	7000 MPa	ISO 527-2
Tensile Stress (Break)	20300 psi	140 MPa	ISO 527-2
Tensile Strain (Break)	4.0 %	4.0 %	ISO 527-2
Flexural Stress	26800 psi	185 MPa	ISO 178
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	3.8 ft·lb/in <sup>2</sup>	8.0 kJ/m <sup>2</sup>	ISO 179
Charpy Unnotched Impact Strength 73°F (23°C)	19 ft·lb/in <sup>2</sup>	40 kJ/m <sup>2</sup>	ISO 179
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Heat Deflection Temperature 264 psi (1.8 MPa), Unannealed	482 °F	250 °C	ISO 75-2/A
Melting Temperature (DSC)	491 to 509 °F	255 to 265 °C	ISO 3146
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
FMVSS Flammability	< 3.9 in/min	< 100 mm/min	DIN 75200

### 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	536 to 572 °F	280 to 300 °C
Mold Temperature	122 to 194 °F	50 to 90 °C
Holding Pressure	7250 to 14500 psi	50.0 to 100 MPa

### Notes

<sup>1</sup> Typical values are not to be construed as specifications.