



# Bergamid™ A70 G20 U NATURAL 70

## Polyamide 66

### Key Characteristics

Product Description	
20% glass fiber reinforced, flame retardant V2 PA 6.6 resin for injection molding.	
General	
Material Status	• Commercial: Active
Regional Availability	• Europe
Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight
Features	• Flame Retardant • Good Stiffness • Good Processability • Good Strength
Uses	• Automotive Applications • General Purpose • Consumer Applications • Industrial Applications
RoHS Compliance	• RoHS Compliant
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Injection Molding

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

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.38 g/cm <sup>3</sup>	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 527-2/1
Tensile Stress (Yield)	18900 psi	130 MPa	ISO 527-2/5
Tensile Strain (Yield)	3.0 %	3.0 %	ISO 527-2/5
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact Strength	2.9 ft·lb/in <sup>2</sup>	6.0 kJ/m <sup>2</sup>	ISO 180/A
Thermal	Typical Value (English)	Typical Value (SI)	
Melting Temperature	500 to 509 °F	260 to 265 °C	
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating (0.06 in (1.6 mm))	V-2	V-2	UL 94
Glow Wire Flammability Index 0.08 in (2.0 mm)	1380 °F	750 °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 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

### Notes

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