



Bergamid™ A65 G50 Grey 70

Polyamide 66

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Europe		
Filler / Reinforcement	• Glass Fiber, 50% Filler by Weight		
Features	• Good Hardness • Good Processability	• Good Stiffness • Good Strength	• High Impact Resistance • Medium Viscosity
Uses	• Automotive Applications • Consumer Applications	• General Purpose • Industrial Applications	
Appearance	• Grey		
Forms	• Pellets		
Processing Method	• Injection Molding		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.56 g/cm ³	1.56 g/cm ³	ISO 1183
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	2.25E+6 psi	15500 MPa	ISO 527-2/1
Tensile Stress	24700 psi	170 MPa	ISO 527-2/5
Tensile Strain (Break)	2.0 %	2.0 %	ISO 527-2/5
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact Strength	4.8 ft·lb/in ²	10 kJ/m ²	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	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	527 to 545 °F	275 to 285 °C
Middle Temperature	536 to 554 °F	280 to 290 °C
Front Temperature	545 to 563 °F	285 to 295 °C
Nozzle Temperature	563 to 572 °F	295 to 300 °C
Mold Temperature	176 to 194 °F	80 to 90 °C

Notes

¹ Typical values are not to be construed as specifications.