



# Bergamid™ A70 G/GK50 Black 70

## Polyamide 66

### Key Characteristics

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

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

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.54 g/cm <sup>3</sup>	1.54 g/cm <sup>3</sup>	ISO 1183
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	1.96E+6 psi	13500 MPa	ISO 527-2/1
Tensile Stress	25400 psi	175 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	4.8 ft·lb/in <sup>2</sup>	10 kJ/m <sup>2</sup>	ISO 180/A

### 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	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	140 to 194 °F	60 to 90 °C

### Notes

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