

Bergamid™ A70 Black TM-Z 70

Polyamide 66

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Europe		
Features	• Good Processability • Good Stiffness	• Good Strength • High Impact Resistance	• Impact Modified • Medium Viscosity
Uses	• Appliances • Automotive Applications	• Consumer Applications • Electrical/Electronic 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 / Specific Gravity	1.05	1.05	ISO 1183
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	203000 psi	1400 MPa	ISO 527-2/1
Tensile Stress	5800 psi	40.0 MPa	ISO 527-2/50
Tensile Strain (Break)	> 40 %	> 40 %	ISO 527-2/50
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact Strength	29 ft-lb/in ²	60 kJ/m ²	ISO 180/A
Thermal	Typical Value (English)	Typical Value (SI)	
Melting Temperature	500 to 509 °F	260 to 265 °C	

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	509 to 527 °F	265 to 275 °C
Middle Temperature	518 to 536 °F	270 to 280 °C
Front Temperature	527 to 545 °F	275 to 285 °C
Nozzle Temperature	536 to 554 °F	280 to 290 °C
Mold Temperature	140 to 194 °F	60 to 90 °C

Notes

¹ Typical values are not to be construed as specifications.