

Bergamid™ A70 G30 H Black TM-X UV

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	1.33	1.33	ISO 1183
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	1.36E+6 psi	9400 MPa	ISO 527-2
Tensile Stress	22500 psi	155 MPa	ISO 527-2/50
Tensile Strain (Break)	4.0 %	4.0 %	ISO 527-2/50
Flexural Stress	33400 psi	230 MPa	ISO 178
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength	5.7 ft·lb/in ²	12 kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	40 ft·lb/in ²	85 kJ/m ²	ISO 179
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.