

Bergamid™ A70 B70 UF BLUE 70

Polyamide 66 Alloy

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Europe		
Features	• Flame Retardant • Good Processability	• Good Stiffness • Good Strength	• Heat Stabilized
Uses	• Appliances • Consumer Applications	• Electrical/Electronic Applications • General Purpose	• Industrial Applications
Appearance	• Blue		
Forms	• Pellets		
Processing Method	• Injection Molding		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.20 g/cm ³	1.20 g/cm ³	ISO 1183
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus (73°F (23°C))	551000 psi	3800 MPa	ISO 527-1/1
Tensile Stress	10200 psi	70.0 MPa	ISO 527-2/5
Tensile Strain (Break)	6.0 %	6.0 %	ISO 527-2/5
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact Strength	1.4 ft·lb/in ²	3.0 kJ/m ²	ISO 180/A
Thermal	Typical Value (English)	Typical Value (SI)	
Melting Temperature	491 to 500 °F	255 to 260 °C	
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating (0.06 in (1.6 mm))	V-0	V-0	UL 94
Glow Wire Flammability Index 0.08 in (2.0 mm)	1760 °F	960 °C	IEC 60695-2-12

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 to 194 °F	80 to 90 °C
Drying Time	2.0 to 3.0 hr	2.0 to 3.0 hr
Rear Temperature	482 to 500 °F	250 to 260 °C
Middle Temperature	491 to 509 °F	255 to 265 °C
Front Temperature	500 to 518 °F	260 to 270 °C
Nozzle Temperature	509 to 527 °F	265 to 275 °C
Mold Temperature	149 to 176 °F	65 to 80 °C

Notes

¹ Typical values are not to be construed as specifications.

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