



Bergamid™ A70 G15 H TM-YF

Polyamide 66

Key Characteristics

General	
Material Status	• Commercial: Active
Regional Availability	• Europe
Filler / Reinforcement	• Glass Fiber, 15% Filler by Weight
Features	• Impact Modified
Appearance	• Natural Color
Forms	• Pellets

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.21 g/cm ³	1.21 g/cm ³	ISO 1183
K-Value	74.0 to 79.0	74.0 to 79.0	ISO 1628-2
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus (73°F (23°C))	725000 psi	5000 MPa	ISO 527-2/1
Tensile Stress (Break, 73°F (23°C))	14500 psi	100 MPa	ISO 527-2
Tensile Strain (Break, 73°F (23°C))	3.0 %	3.0 %	ISO 527-2
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength			ISO 179
-22°F (-30°C)	3.8 ft·lb/in ²	8.0 kJ/m ²	
73°F (23°C)	5.2 ft·lb/in ²	11 kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-22°F (-30°C)	> 26 ft·lb/in ²	> 55 kJ/m ²	
73°F (23°C)	> 31 ft·lb/in ²	> 65 kJ/m ²	
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Heat Deflection Temperature 66 psi (0.45 MPa), Unannealed	473 °F	245 °C	ISO 75-2/B
Heat Deflection Temperature 264 psi (1.8 MPa), Unannealed	446 °F	230 °C	ISO 75-2/A
Maximum Use Temperature			IEC 216
Continuous	212 to 230 °F	100 to 110 °C	
Short Term	< 428 °F	< 220 °C	
Melting Temperature (DSC)	496 to 514 °F	258 to 268 °C	ISO 3146
Electrical	Typical Value (English)	Typical Value (SI)	Test Method
Surface Resistivity	1.0E+13 ohms	1.0E+13 ohms	IEC 60093
Volume Resistivity	1.0E+15 ohms·cm	1.0E+15 ohms·cm	IEC 60093
Relative Permittivity	3.50	3.50	IEC 60250
Dissipation Factor	0.015	0.015	IEC 60250
Comparative Tracking Index	500 V	500 V	IEC 60112
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating (0.13 in (3.2 mm))	HB	HB	UL 94
Flammability	< 4 in/min	< 100 mm/min	FMVSS

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr
Suggested Max Moisture	< 0.10 %	< 0.10 %
Processing (Melt) Temp	536 to 572 °F	280 to 300 °C
Mold Temperature	122 to 194 °F	50 to 90 °C

Notes

¹ Typical values are not to be construed as specifications.