Bergamid™ A70 G25 Mi15 HW

Polyamide 66

Key Characteristics

General		
Material Status	• Commercial: Active	
Regional Availability	• Europe	
Filler / Reinforcement	• Glass Fiber, 25% Filler by Weight	• Mineral, 15% Filler by Weight
Features	• Hydrolysis Resistant	

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density [2]	1.47 g/cm³	1.47 g/cm³	ISO 1183
Mechanical	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Modulus	1.31E+6 psi	9000 MPa	ISO 527-2
Tensile Stress (Break)	27600 psi	190 MPa	ISO 527-2
Tensile Strain (Break)	3.0 %	3.0 %	ISO 527-2
Impact	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Charpy Notched Impact Strength (73°F (23°C))	> 1.4 ft·lb/in²	> 3.0 kJ/m²	ISO 179
Charpy Unnotched Impact Strength			ISO 179
73°F (23°C)	> 17 ft·lb/in²	> 35 kJ/m²	
Thermal	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Heat Deflection Temperature			ISO 75-2/B
66 psi (0.45 MPa), Unannealed	410 °F	210 °C	
Continuous Use Temperature [3]	266 °F	130 °C	IEC 216
Melting Temperature (DSC)	491 to 509 °F	255 to 265 °C	ISO 3146
Flammability	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Flame Rating (0.12 in (3.0 mm))	HB	HB	UL 94

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	4.0 hr	4.0 hr
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.

[2] +-0.02

[3] continuous (GTP 50% tensile)