Bergamid™ A70 G25 Black TM-X SO

Polyamide 66

Key Characteristics

General	
Material Status	• Commercial: Active
Regional Availability	• Europe
Filler / Reinforcement	• Glass Fiber, 25% Filler by Weight
Features	• Impact Modified
Appearance	• Black
Forms	• Pellets

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.28 to 1.32 g/cm³	1.28 to 1.32 g/cm³	DIN 53479
Mechanical	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Modulus	1.16E+6 psi	8000 MPa	ISO 527-2
Tensile Stress	21000 psi	145 MPa	ISO 527-2
Tensile Strain (Break)	2.0 %	2.0 %	ISO 527-2
Flexural Stress	26100 psi	180 MPa	ISO 178
Impact	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Charpy Notched Impact Strength (73°F (23°C))	3.8 ft·lb/in²	8.0 kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eA
73°F (23°C)	26 ft·lb/in²	55 kJ/m²	
Thermal	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Heat Deflection Temperature			ISO 75-2/B
66 psi (0.45 MPa), Unannealed	473 °F	245 °C	
Heat Deflection Temperature			ISO 75-2/A
264 psi (1.8 MPa), Unannealed	473 °F	245 °C	
Maximum Use Temperature			IEC 60216
Continuous (GTP 50% Tensile)	230 °F	110 °C	
Short Time	< 428 °F	< 220 °C	
Melting Temperature (DSC)	491 to 509 °F	255 to 265 °C	ISO 3146
Electrical	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Comparative Tracking Index	500 V	500 V	IEC 60112
Flammability	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Flame Rating (0.12 in (3.0 mm))	HB	HB	UL 94
FMVSS Flammability	< 3.9 in/min	< 100 mm/min	DIN 75200

Notes

[1] Typical values are not to be construed as specifications.