Bergamid™ A70 G15 Mi25 HW Black

Polyamide 66

Key Characteristics

Product Description		
Polyamide 66 (Nylon 66) product filled with glass fiber and mineral fillers.		
General		
Material Status	• Commercial: Active	
Regional Availability	• Europe	
Filler / Reinforcement	• Glass Fiber	• Mineral
Forms	• Pellets	
Processing Method	• Injection Molding	

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	1.16E+6 psi	8000 MPa	ISO 527-2
Tensile Stress (Break)	15200 psi	105 MPa	ISO 527-2
Tensile Strain (Break)	> 2.0 %	> 2.0 %	ISO 527
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), Annealed	392 °F	200 °C	
Maximum Use Temperature			IEC 60216
-- [3]	248 °F	120 °C	
Short Time	428 °F	220 °C	
Melting Temperature	500 °F	260 °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
Comparative Tracking Index	500 V	500 V	IEC 60112

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	545 °F	285 °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)