Bergamid™ A65 H NATURAL

Polyamide 66

Key Characteristics

General	
Material Status	• Commercial: Active
Regional Availability	• Europe
Features	• Heat Stabilized
Forms	• Granules

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density [2] (73°F (23°C))	1.13 g/cm³	1.13 g/cm³	ISO 1183
Viscosity Number	65.0 to 75.0 cm³/g	65.0 to 75.0 cm³/g	ISO 307
Mechanical	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Modulus [3]			ISO 527-2
73°F (23°C), Injection Molded	464000 psi	3200 MPa	
Tensile Stress [3]			ISO 527-2
Break, 73°F (23°C), Injection Molded	11600 psi	80.0 MPa	
Tensile Strain [3]			ISO 527-2
Break, 73°F (23°C), Injection Molded	40 %	40 %	
Impact	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Charpy Notched Impact Strength [3] (73°F (23°C))	2.4 ft·lb/in²	5.0 kJ/m²	ISO 179
Charpy Unnotched Impact Strength [3]			ISO 179
73°F (23°C), Injection Molded	No Break	No Break	
Thermal	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Heat Deflection Temperature			ISO 75-2/B
66 psi (0.45 MPa), Unannealed	176 °F	80.0 °C	
Heat Deflection Temperature			ISO 75-2/A
264 psi (1.8 MPa), Unannealed	392 °F	200 °C	
Melting Temperature (DSC)	502 °F	261 °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 [3] (Solution A)	600 V	600 V	IEC 60112
Flammability	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Burning Rate (0.0630 in (1.60 mm))	< 3.9 in/min	< 100 mm/min	FMVSS
Flame Rating (0.06 in (1.6 mm))	HB	HB	UL 94

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Mold Temperature	104 to 176 °F	40 to 80 °C
Holding Pressure	7250 to 14500 psi	50.0 to 100 MPa

Notes

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

[2] ±0.02

[3] dry