Bergamid™ A70 G/GK40 H Black

Polyamide 66

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• Heat Stabilizer		
Features	• General Purpose		
Forms	• Granules		

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.45 g/cm³	1.45 g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (275°C/2.16 kg)	15 g/10 min	15 g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (275°C/2.16 kg)	12 cm³/10min	12 cm³/10min	ISO 1133
Molding Shrinkage	0.63 %	0.63 %	ISO 294-4
Viscosity Number	140 cm³/g	140 cm³/g	ISO 307
Mechanical	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Modulus (73°F (23°C))	870000 psi	6000 MPa	ISO 527-2/1
Tensile Stress (Break, 73°F (23°C))	17400 psi	120 MPa	ISO 527-2
Tensile Strain (Break, 73°F (23°C))	2.5 %	2.5 %	ISO 527-2
Flexural Modulus	899000 psi	6200 MPa	ISO 178
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))	2.9 ft·lb/in²	6.0 kJ/m²	ISO 179
Charpy Unnotched Impact Strength			ISO 179
73°F (23°C)	12 ft·lb/in²	25 kJ/m²	
Thermal	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Heat Deflection Temperature			ISO 75-2/A
264 psi (1.8 MPa), Unannealed	446 °F	230 °C	
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 (Solution A)	500 V	500 V	IEC 60112
Flammability	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Flame Rating			UL 94
0.031 in (0.8 mm)	HB	HB	
0.06 in (1.6 mm)	HB	HB	

Notes

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