



Bergamid™ B70 S Mi40

Polyamide 6

Key Characteristics

General	
Material Status	• Commercial: Active
Regional Availability	• Asia Pacific • Europe
Filler / Reinforcement	• Mineral, 40% Filler by Weight
RoHS Compliance	• RoHS Compliant
Forms	• Pellets

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.49 g/cm ³	1.49 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (235°C/2.16 kg)	12 g/10 min	12 g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (235°C/2.16 kg)	8.50 cm ³ /10min	8.50 cm ³ /10min	ISO 1133
Ash Content ²	40 %	40 %	ISO 3451
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus (73°F (23°C))	653000 psi	4500 MPa	ISO 527-2/1
Tensile Stress (Break, 73°F (23°C))	12300 psi	85.0 MPa	ISO 527-2/5
Tensile Strain (Break, 73°F (23°C))	4.5 %	4.5 %	ISO 527-2/5
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	1.7 ft·lb/in ²	3.5 kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength 73°F (23°C)	43 ft·lb/in ²	90 kJ/m ²	ISO 179/1eU
Electrical	Typical Value (English)	Typical Value (SI)	Test Method
Surface Resistivity	1.0E+10 to 1.0E+13 ohms	1.0E+10 to 1.0E+13 ohms	IEC 60093
Volume Resistivity	1.0E+12 to 1.0E+15 ohms·cm	1.0E+12 to 1.0E+15 ohms·cm	IEC 60093

Notes

¹ Typical values are not to be construed as specifications.

² +/- 2%

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