



Bergamid™ B70 L grey 7035 SO2

Polyamide 6

Key Characteristics

General	
Material Status	• Commercial: Active
Regional Availability	• Europe
RoHS Compliance	• RoHS Compliant
Appearance	• Grey
Forms	• Pellets

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density ² (73°F (23°C))	1.12 g/cm ³	1.12 g/cm ³	DIN 53479
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	421000 psi	2900 MPa	ISO 527-2
Tensile Stress (Break)	10700 psi	74.0 MPa	ISO 527-2
Tensile Strain (Break)	> 12 %	> 12 %	ISO 527-2
Flexural Modulus	363000 psi	2500 MPa	ISO 178
Flexural Stress	14200 psi	98.0 MPa	ISO 178
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	3.3 ft·lb/in ²	7.0 kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	No Break	No Break	ISO 179
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Maximum Use Temperature ... ³	167 °F	75 °C	IEC 60216
Short Time	347 °F	175 °C	
Melting Temperature (DSC)	433 °F	223 °C	ISO 3146
Electrical	Typical Value (English)	Typical Value (SI)	Test Method
Surface Resistivity	1.0E+14 ohms	1.0E+14 ohms	IEC 60093
Volume Resistivity	1.0E+15 ohms·cm	1.0E+15 ohms·cm	IEC 60093

Notes

¹ Typical values are not to be construed as specifications.

² ±0.02 g/cm³

³ Continuous (GTP 50% Tensile)