



Bergamid™ A70 black UV Polyamide 66

Key Characteristics

General	
Material Status	• Commercial: Active
Regional Availability	• Europe
Features	• UV Stabilized
Appearance	• Black
Forms	• Granules

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density ²	1.13 g/cm ³	1.13 g/cm ³	ISO 1183
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	464000 psi	3200 MPa	ISO 527-2
Tensile Stress	11600 psi	80.0 MPa	ISO 527-2
Tensile Strain (Break)	40 to 50 %	40 to 50 %	ISO 527-2
Flexural Stress	20300 psi	140 MPa	ISO 178
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	0.95 to 2.4 ft·lb/in ²	2.0 to 5.0 kJ/m ²	ISO 179
Charpy Unnotched Impact Strength 73°F (23°C)	No Break	No Break	ISO 179
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Heat Deflection Temperature 264 psi (1.8 MPa), Unannealed	212 °F	100 °C	ISO 75-2/A
Melting Temperature (DSC)	491 to 509 °F	255 to 265 °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	600 V	600 V	IEC 60112

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr
Processing (Melt) Temp	518 to 554 °F	270 to 290 °C
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 ±0.2