



Bergamid™ A80 W20 H UV black SO

Polyamide 66

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Europe		
Features	• Heat Stabilized	• Impact Modified	• UV Resistant
RoHS Compliance	• RoHS Compliant		
Forms	• Pellets		
Processing Method	• Extrusion		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density ²	1.13 g/cm ³	1.13 g/cm ³	DIN 53479
Melt Mass-Flow Rate (MFR) (275°C/2.16 kg)	19 g/10 min	19 g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (275°C/2.16 kg)	1.10 in ³ /10min	18.0 cm ³ /10min	ISO 1133
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus (73°F (23°C))	334000 psi	2300 MPa	ISO 527-2/1
Tensile Stress (Yield, 73°F (23°C))	10200 psi	70.0 MPa	ISO 527-2/50
Tensile Strain (Yield, 73°F (23°C))	15 %	15 %	ISO 527-2/50
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	7.1 ft-lb/in ²	15 kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength 73°F (23°C)	No Break	No Break	ISO 179/1eU
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Heat Deflection Temperature 66 psi (0.45 MPa), Unannealed	428 °F	220 °C	ISO 75-2/B
Heat Deflection Temperature 264 psi (1.8 MPa), Unannealed	162 °F	72.0 °C	ISO 75-2/A
Melting Temperature (DSC)	503 °F	262 °C	ISO 3146

Notes

¹ Typical values are not to be construed as specifications.

² ±0.03 g/cm³

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