

Bergamid™ B70 G15 H TM-Z UV SO6

Polyamide 6

PolyOne Corporation

Message:

Bergamid™ B70 G15 H TM-Z UV SO6 is a Polyamide 6 (Nylon 6) product filled with 15% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, or North America.

Characteristics include:

RoHS Compliant

Good UV Resistance

Heat Resistant

Impact Resistant

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
Features	Good Color Stability		
	Good UV Resistance		
	High Heat Resistance		
	High Impact Resistance		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density ¹ (23°C)	1.17	g/cm³	DIN 53479
Melt Mass-Flow Rate (MFR) (235°C/2.16 kg)	> 6.0	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (235°C/2.16 kg)	> 5.00	cm³/10min	ISO 1133
Ash Content	15	%	ISO 3451
Maximum Use Temperature			IEC 60216
-- ²	95	°C	
Short Time	190	°C	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C, 4.00 mm)	5400	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C, 4.00 mm)	100	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C, 4.00 mm)	> 4.0	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	> 17	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	75	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	205	°C	ISO 75-2/B
Melting Temperature (DSC)	223	°C	ISO 3146
Electrical	Nominal Value	Unit	Test Method

Surface Resistivity	1.0E+12	ohms	IEC 60093
Volume Resistivity	1.0E+13	ohms·cm	IEC 60093
NOTE			
1.	±0.03 g/cm ³		
2.	Continuous (GTP 50% Tensile)		

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