

Bergamid™ B70 UF V2

Polyamide 6
PolyOne Corporation

Message:

Bergamid™ B70 UF V2 is a Polyamide 6 (Nylon 6) product. It can be processed by injection molding and is available in Africa & Middle East, Asia Pacific, or Europe.
Characteristics include:
Flame Rated
RoHS Compliant
Flame Retardant

General Information			
Additive	Flame Retardant		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density ¹	1.13	g/cm ³	DIN 53479
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	3000	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	80.0	MPa	ISO 527-2/50
Tensile Strain (Yield, 23°C)	4.0	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (-30°C)	5.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	87	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	170	°C	ISO 75-2/B
1.8 MPa, Unannealed	65.0	°C	ISO 75-2/A
Maximum Use Temperature			IEC 60216
-- ²	75	°C	
Short Time	175	°C	
Melting Temperature (DSC)	223	°C	ISO 3146
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+10	ohms	IEC 60093
Volume Resistivity	1.0E+12	ohms · cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.800 mm, ALL	V-2		
1.60 mm	V-2		
3.00 mm	V-2		
Glow Wire Flammability Index			IEC 60695-2-12

0.800 mm	850	°C
1.60 mm	850	°C
3.00 mm	850	°C

NOTE		
1.	±0.03 g/cm ³	
2.	Continuous (GTP 50% Tensile)	

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Recommended distributors for this material

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