

Bergamid™ B700 UF V2

Polyamide 6
PolyOne Corporation

Message:

Bergamid™ B700 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			
UL YellowCard	E76261-101161320		
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	3.0	kJ/m ²	ISO 179/1eA
23°C	5.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength			
-30°C	No Break		
23°C	No Break		
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			
-- ²	75	°C	IEC 60216
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	960	°C
1.60 mm	960	°C
3.00 mm	960	°C
NOTE		
1.	$\pm 0.03 \text{ g/cm}^3$	
2.	Continuous (GTP 50% Tensile)	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

