

Bergamid™ B700 G30 H

Polyamide 6
PolyOne Corporation

Message:

Bergamid™ B700 G30 H is a Polyamide 6 (Nylon 6) product filled with 30% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, or North America.

Characteristics include:

Flame Rated

RoHS Compliant

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Heat Stabilized		
RoHS Compliance	RoHS Compliant		
UL File Number	QMFZ2.E76261		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density ¹	1.35	g/cm ³	DIN 53479
K-Value ²	74.0 to 78.0		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	9500	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	180	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	3.0	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/A
-30°C	10	kJ/m ²	
23°C	12	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-30°C	60	kJ/m ²	
23°C	80	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	220	°C	ISO 75-2/B
1.8 MPa, Unannealed	210	°C	ISO 75-2/A
Maximum Use Temperature			IEC 60216
-- ³	120	°C	
Short Time	190	°C	
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+14	ohms · cm	IEC 60093

Electric Strength	80	kV/mm	IEC 60243-1
Relative Permittivity (1 MHz)	3.80		IEC 60250
Comparative Tracking Index (Solution A)	500	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.800 to 3.00 mm, ALL)	HB		Internal Method
Glow Wire Flammability Index (0.400 to 3.00 mm)	650	°C	IEC 60695-2-12
Glow Wire Ignition Temperature (0.400 to 3.00 mm)	675	°C	IEC 60695-2-13
NOTE			
1.	±0.03 g/cm ³		
2.	96% H ₂ SO ₄		
3.	Continuous (GTP 50% Tensile)		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

