

Bergamid™ B650 G/Mi20 UF

Polyamide 6
PolyOne Corporation

Message:

Bergamid™ B650 G/Mi20 UF is a Polyamide 6 (Nylon 6) product filled with 20% glass\mineral. It is available in Africa & Middle East, Asia Pacific, or Europe. Characteristics include:

- Flame Rated
- RoHS Compliant
- Flame Retardant
- Halogen Free

General Information			
UL YellowCard	E76261-515512		
Filler / Reinforcement	Glass\Mineral,20% Filler by Weight		
Features	Flame Retardant		
	Halogen Free		
	Low (to None) Phosphorus Content		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density ¹	1.37	g/cm³	DIN 53479
Ash Content	20	%	ISO 3451
Maximum Use Temperature			IEC 60216
-- ²	95	°C	
Short Time	190	°C	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	5700	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	90.0	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 (23°C)	5.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	45	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	205	°C	ISO 75-2/B
1.8 MPa, Unannealed	175	°C	ISO 75-2/A
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
Comparative Tracking Index (Solution A)	> 550	V	IEC 60112

Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.800 to 3.00 mm, ALL)	V-2		Internal Method
Glow Wire Flammability Index (0.800 to 3.00 mm)	960	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	3.0 to 4.0	hr	
Processing (Melt) Temp	240	°C	
Mold Temperature	60.0 to 80.0	°C	
NOTE			
1.	±0.03 g/cm ³		
2.	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

