

Bergamid™ B65 G/Mi20 UF grey LS

Polyamide 6

PolyOne Corporation

Message:

Bergamid™ B65 G/Mi20 UF grey LS is a Polyamide 6 (Nylon 6) product filled with 20% glass\mineral. It is available in Europe.

Characteristics include:

Flame Rated

RoHS Compliant

Flame Retardant

Halogen Free

General Information			
Filler / Reinforcement	Glass\Mineral,20% Filler by Weight		
Features	Flame Retardant		
	Halogen Free		
	Laser Markable		
	Low (to None) Phosphorus Content		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density ¹	1.36	g/cm ³	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)	91.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	2.5	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			
-30°C	3.2	kJ/m ²	ISO 179
23°C	3.5	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			
-30°C	31	kJ/m ²	ISO 179
23°C	37	kJ/m ²	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+10	ohms	IEC 60093
Volume Resistivity	1.0E+12	ohms·cm	IEC 60093
Comparative Tracking Index (Solution A)	400	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.800 mm, ALL)	V-2		Internal Method
Glow Wire Ignition Temperature (0.800 to 1.60 mm)	960	°C	IEC 60695-2-13
NOTE			
1.	±0.03 g/cm ³		
2.	Continuous (GTP 50% Tensile)		

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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



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