

Bergamid™ B70 W25

Polyamide 6
PolyOne Corporation

Message:

Bergamid™ B70 W25 is a Polyamide 6 (Nylon 6) product. It is available in Europe.
Characteristics include:
Flame Rated
RoHS Compliant

General Information			
Features	Impact Modified		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density ¹	1.10	g/cm ³	DIN 53479
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2900	MPa	ISO 527-2
Tensile Stress (Break)	70.0	MPa	ISO 527-2
Tensile Strain (Break)	4.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	9.0	kJ/m ²	
23°C	15	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-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			
Continuous (GTP 50% Tensile)	65	°C	
Short Time	160	°C	
Melting Temperature	223	°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms · cm	IEC 60093
Electric Strength	100	kV/mm	IEC 60243-1
Dielectric Constant (1 MHz)	3.40		IEC 60250
Dissipation Factor (1 MHz)	0.20		IEC 60250
Comparative Tracking Index	600	V	IEC 60112

Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.800 mm	HB		
1.60 mm	HB		
NOTE			
1.	$\pm 0.03 \text{ g/cm}^3$		

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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

