

Bergamid™ X2 B70 U NC

Polyamide 6
PolyOne Corporation

Message:

Bergamid™ X2 B70 U NC 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			
Additive	Flame Retardant		
	Halogen		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density ¹ (23°C)	1.27	g/cm³	DIN 53479
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C, 4.00 mm)	3800	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C, 4.00 mm)	77.0	MPa	ISO 527-2/50
Tensile Strain (Yield, 23°C, 4.00 mm)	3.2	%	ISO 527-2/50
Flexural Modulus (23°C)	2900	MPa	ISO 178
Flexural Stress (23°C)	98.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.6	kJ/m²	ISO 179
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179
Thermal	Nominal Value	Unit	Test Method
Melting Temperature (DSC)	223	°C	ISO 3146
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+13	ohms	IEC 60093
Volume Resistivity	> 1.0E+13	ohms · cm	IEC 60093
Comparative Tracking Index	275	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.400 mm	V-2		
0.800 mm, ALL	V-2		
1.60 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
Glow Wire Ignition Temperature		IEC 60695-2-13
0.400 mm	> 825	°C
0.800 mm	825	°C
1.60 mm	825	°C
Injection	Nominal Value	Unit
Drying Temperature	80.0	°C
Drying Time	4.0 to 6.0	hr
Processing (Melt) Temp	230 to 260	°C
Mold Temperature	60.0 to 80.0	°C
NOTE		
1.	±0.03 g/cm ³	

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