

# Bergamid™ B70 MI30 NC704

Polyamide 6

PolyOne Corporation

## Message:

Bergamid™B70 MI30 NC704 is a polyamide 6 (nylon 6) product, which contains 30% mineral fillers. It can be processed by injection molding and is available in the Asia-Pacific region. The main characteristics are: flame retardant/rated flame.

General Information			
Filler / Reinforcement	Mineral filler, 30% filler by weight		
Appearance	Natural color		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.70 - 1.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup>	75.0	MPa	ASTM D638
Flexural Modulus <sup>2</sup>	5000	MPa	ASTM D790
Flexural Strength <sup>3</sup>	120	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	40	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	80.0	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0 - 100	°C	
Drying Time	2.0 - 4.0	hr	
Rear Temperature	230 - 270	°C	
Middle Temperature	230 - 270	°C	
Front Temperature	230 - 270	°C	
Mold Temperature	70.0 - 90.0	°C	
Injection instructions			
Injection Pressure: MED-HIGHHold Pressure: MED-HIGHScrew Speed: MODERATEBack Pressure: LOW			
NOTE			
1.	5.0 mm/min		
2.	1.3 mm/min		
3.	1.3 mm/min		

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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

