

Bergamid™ B70 G45 BK

Polyamide 6
PolyOne Corporation

Message:
6016133

General Information				
Filler / Reinforcement		Glass Fiber,45% Filler by Weight		
Features		Good Dimensional Stability		
		Good Flow		
		Good Stiffness		
RoHS Compliance		RoHS Compliant		
Forms		Pellets		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Density (23°C)	1.52	--	g/cm ³	ISO 1183
Molding Shrinkage - Flow ¹ (23°C, 4000 mm)	0.080 to 0.60	--	%	ISO 294-4
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C, 4.00 mm, Injection Molded)	13000	10000	MPa	ISO 527-2/1
Tensile Strength ² (23°C, 4.00 mm)	192	150	MPa	ISO 527
Tensile Elongation ³ (Break, 23°C, 4.00 mm)	2.5	3.5	%	ISO 527
Flexural Modulus (23°C)	12300	--	MPa	ISO 178
Flexural Stress (23°C)	290	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C, Injection Molded)	11	--	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C, Injection Molded)	87	--	kJ/m ²	ISO 179
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+13	1.0E+10	ohms	IEC 60093
Volume Resistivity	1.0E+15	1.0E+12	ohms · cm	IEC 60093
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (0.800 to 3.00 mm, ALL)	HB	HB		Internal Method
Injection	Dry	Unit		
Drying Temperature	80.0		°C	

Drying Time	4.0	hr
Processing (Melt) Temp	240 to 280	°C
Mold Temperature	65.0 to 85.0	°C

NOTE		
1.	Bergmann method	
2.	5.0 mm/min	
3.	5.0 mm/min	

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