

Bergamid™ B70 G45 BK LS

Polyamide 6

PolyOne Corporation

Message:

6016133

General Information				
Filler / Reinforcement		Glass Fiber,45% Filler by Weight		
Features		Good Dimensional Stability		
		Good Flow		
		Good Stiffness		
		Laser Markable		
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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