

Bergamid™ A70 G35 U BK TM-X SO3

Polyamide 66

PolyOne Corporation

Message:

6616064

General Information			
Filler / Reinforcement	Glass Fiber,35% Filler by Weight		
Additive	Heat Stabilizer		
Features	Flame Retardant		
	Good Impact Resistance		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.48	g/cm ³	ISO 1183
Molding Shrinkage - Flow ¹ (23°C, 4.00 mm)	0.30 to 0.50	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C, 4.00 mm)	11000	MPa	ISO 527-2
Tensile Stress (Break, 23°C, 4.00 mm)	150	MPa	ISO 527-2
Tensile Strain (Break, 23°C, 4.00 mm)	> 2.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	6.0	kJ/m ²	
23°C	8.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-30°C, Injection Molded	46	kJ/m ²	
23°C	65	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Annealed	260	°C	ISO 75-2/B
1.8 MPa, Annealed	250	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms · cm	IEC 60093
Comparative Tracking Index	500	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94

1.60 mm, ALL	V-0	
3.20 mm, ALL	V-0	
Glow Wire Flammability Index		IEC 60695-2-12
0.800 mm	960	°C
3.00 mm	960	°C
Injection	Nominal Value	Unit
Drying Temperature	80.0 to 90.0	°C
Drying Time	4.0	hr
Processing (Melt) Temp	260 to 280	°C
Mold Temperature	65.0 to 85.0	°C
NOTE		

1.
- Mold Shrinkage on Tensile Bar,
flowBergamnn Method

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