

Bergamid™ A70 G35 H U BK SO

Polyamide 66
PolyOne Corporation

Message:
6616064

General Information			
Filler / Reinforcement	Glass Fiber,35% Filler by Weight		
Additive	Heat Stabilizer		
Features	Flame Retardant		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.50	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)	12000	MPa	ISO 527-2
Tensile Stress (Break, 23°C, 4.00 mm)	130	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	5.5	kJ/m ²	
23°C	7.5	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-30°C	40	kJ/m ²	
23°C, Injection Molded	50	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Annealed)	236	°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	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.800 mm, ALL	V-0		
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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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

