

# Bergamid™ A70 G30 TF15 H MOS2

Polyamide 66  
PolyOne Corporation

Message:  
Glass Fiber Reinforced PA66 Compound with Heat resistant

General Information			
Filler / Reinforcement	PTFE ultra fine powder, 15% packing by weight		
	Glass fiber reinforced material, 30% filler by weight		
Features	Low friction coefficient		
	Good processing stability		
	Good wear resistance		
	Thermal Stability		
	Lubrication		
Appearance	Dark gray		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.49	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage <sup>1</sup>	0.30 - 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C, 4.00 mm, Injection Molded)	10000	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C, 4.00 mm, Injection Molded)	160	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C, 4.00 mm, Injection Molded)	3.0	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C, Injection Molded)	9.0	kJ/m <sup>2</sup>	ISO 179
Unnotched Izod Impact Strength (23°C, Injection Molded)	80	kJ/m <sup>2</sup>	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	245	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.6 mm)	HB		Internal method
Injection	Nominal Value	Unit	
Drying Temperature	80	°C	

Drying Time	4.0 - 6.0	hr
Rear Temperature	240 - 280	°C
Middle Temperature	240 - 280	°C
Front Temperature	240 - 280	°C
Mold Temperature	65 - 85	°C

Injection instructions

Injection Pressure: MED-HIGHHold Pressure: MED-HIGHScrew Speed: MODERATEBack Pressure: LOW

NOTE

1. bergmann 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

