

# Bergamid™ MD A70 G50 H NC

Polyamide 66  
PolyOne Corporation

Message:

Bergamid™MD A70 G50 H NC is a polyamide 66 (nylon 66) product, which contains a 50% glass fiber reinforced material. It can be processed by injection molding and is available in the Asia-Pacific region.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 50% filler by weight		
Appearance	Natural color		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.57	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.10 - 0.40	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup>	220	MPa	ASTM D638
Flexural Modulus <sup>2</sup>	15000	MPa	ASTM D790
Flexural Strength <sup>3</sup>	350	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	180	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	250	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	80.0 - 90.0	°C	
Drying Time	4.0 - 6.0	hr	
Rear Temperature	260 - 280	°C	
Middle Temperature	260 - 280	°C	
Front Temperature	260 - 280	°C	
Mold Temperature	65.0 - 85.0	°C	
Injection instructions			
Injection Pressure: MED-HIGHHold Pressure: MED-HIGHScrew Speed: MODERATEBack Pressure: LOW			
NOTE			
1.	5.0 mm/min		
2.	1.3 mm/min		
3.	1.3 mm/min		

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