

Bergamid™ A700 G15 H W UF GN046

Polyamide 66
PolyOne Corporation

Message:
Glass fiber reinforced, halogen free flame retardant PA66 compound

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 15% filler by weight		
Features	Flame retardancy		
Appearance	Green		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.31	g/cm ³	ISO 1183
Molding Shrinkage	0.60 - 0.80	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	100	MPa	ISO 527
Flexural Modulus ²	6000	MPa	ISO 178
Flexural Stress ³	140	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	5.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	225	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+12	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-0		Internal method
Injection	Nominal Value	Unit	
Drying Temperature	80.0 - 90.0	°C	
Drying Time	4.0 - 6.0	hr	
Processing (Melt) Temp	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.	2.0 mm/min		
3.	2.0 mm/min		

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