

Bergamid™ A700 G20 H WUF BK059

Polyamide 66
PolyOne Corporation

Message:
Halogen and Red Phosphorus free, Ultrahigh heat resistance

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight		
Features	Phosphorus content, low (to none)		
	Heat resistance, high		
	Halogen-free		
Appearance	Black		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.36	g/cm ³	ISO 1183
Molding Shrinkage	0.50 - 0.80	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	120	MPa	ISO 527-2/5
Flexural Modulus ¹	8500	MPa	ISO 178
Flexural Stress ²	200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	6.5	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³ (1.8 MPa, Unannealed)	235	°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 (1.60 mm)	V-0		Internal method
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.	2.0 mm/min
2.	2.0 mm/min
3.	3.2mm thickness

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Recommended distributors for this material

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