

# Bergamid™ NN-33GF/000 FRV0 BLACK

Polyamide 66

PolyOne Corporation

## Message:

Bergamid™NN-33GF/000 FRV0 BLACK is a polyamide 66 (nylon 66) product containing a 33% glass fiber reinforced material. It can be processed by injection molding and is available in the Asia-Pacific region.

Features include:

flame retardant/rated flame

Flame Retardant

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 33% filler by weight		
Features	Flame retardancy		
Appearance	Black		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.71	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.30 - 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup>	150	MPa	ASTM D638
Flexural Modulus <sup>2</sup>	11000	MPa	ASTM D790
Flexural Strength <sup>3</sup>	230	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	245	°C	ASTM D648
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.	1.3 mm/min		
3.	1.3 mm/min		

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