

Nymax™ GF600 A20 HS BK053

Polyamide 6
PolyOne Corporation

Message:
Heat and UV resistant

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight		
Features	Good UV resistance		
	Heat resistance, medium		
Appearance	Black		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.30 - 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	115	MPa	ASTM D638
Flexural Modulus ²	6500	MPa	ASTM D790
Flexural Strength ³	175	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	80	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	200	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+14	ohms	ASTM D257
Volume Resistivity	1.0E+16	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0 - 90.0	°C	
Drying Time	2.0 - 4.0	hr	
Rear Temperature	240 - 280	°C	
Middle Temperature	240 - 280	°C	
Front Temperature	240 - 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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