

Nymax™ GF 924 33 UV Black 108

Polyamide 66

PolyOne Corporation

Message:

Nymax™GF 924 33 UV Black 108 is a polyamide 66 (nylon 66) product, which contains a filler of 33% glass fiber reinforcement. It can be processed by injection molding and is available in North America or Latin America. Nymax™The application fields of GF 924 33 UV Black 108 include industrial application, construction application, automobile industry and consumer goods.

Features include:

Good UV resistance

UV stability

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 33% filler by weight		
Additive	UV stabilizer		
Features	Good UV resistance		
	Thermal Stability		
	General		
Uses	Industrial application		
	Architectural application field		
	Application in Automobile Field		
	General		
	Consumer goods application field		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.39	g/cm ³	ASTM D792
--	1.40	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.30 - 0.50	%	ASTM D955
Water Absorption			
24 hr	1.0	%	ASTM D570
23°C, 24 hr	0.90	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
--	8780	MPa	ISO 178
--	1820	MPa	ISO 527
--	8620	MPa	ASTM D638
Tensile Strength			
Yield ¹	169	MPa	ASTM D638

Fracture	136	MPa	ISO 527
Tensile Elongation			
Yield ²	3.0	%	ASTM D638
Fracture	8.8	%	ISO 527
Flexural Modulus	8620	MPa	ASTM D790
Flexural Strength			
--	207	MPa	ISO 178
--	172	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Injection Molded)	91	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, annealed, 3.18mm	221	°C	ASTM D648
1.8 MPa, annealed	227	°C	ISO 75-2/A
Additional Information			
Molded Test Bars: Dry as Molded			
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Mold Temperature	82.2 - 107	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	271 - 293	°C	
NOTE			
1.	Type 1, 5.1 mm/min		
2.	Type 1, 5.1 mm/min		

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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