

# N1 010 GF BLK POLYAMIDE (PA-6)



## PRODUCT DESCRIPTION

Nylon 6 10% Glass Filled Black.

## FEATURES

- Glass Filled
- Excellent Mechanical & Chemical properties
- Good Processing Characteristics

## APPLICATIONS

- Furniture
- Automotive
- Home appliance
- Electricals

TYPICAL PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUES
<b>PHYSICAL PROPERTIES</b>			
Density	D-792	g/cc	1.2
Filler/ Ash Content	D-5630	%	10
<b>Molding Shrinkage-</b>	<b>ISO-294-4</b>		
Normal @ 3mm		%	1.2
Parallel @ 3mm		%	0.5
<b>MECHANICAL PROPERTIES</b>			
Tensile Strength Break	D-638	MPa	115
Elongation Break	D-638	%	3
Tensile Modulus	D-638	MPa	3500
Flexural Strength,	D-790	MPa	125
Flexural Modulus	D-790	MPa	2800
Impact Strength (IZOD Notched)	D-256	Kg.cm/cm	7.0
<b>THERMAL PROPERTIES</b>			
Heat Deflection Temperature Under Load-			
0.45 MPa, Unannealed	D-648	°C	201
1.8 MPa, Unannealed	D-648	°C	185

## Ravago Manufacturing India Private Limited.

96, GIDC Alindra, Manjusaar,  
Tal. Savli, Vadodara 391775. India

+919909901581

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Rev.No:01

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TYPICAL PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUES
<b>FLAMMABILITY</b>			
Flame Rating	UL 94	-	HB
Glow Wire Testing	IEC 60695-2-12	°C	NA

<b>INJECTION MOLDING CONDITIONS</b>			
Mold Temperature		°C	80 to 100
Rear Temperature		°C	220 to 230
Middle Temperature		°C	230 to 240
Front Temperature		°C	240 to 245
Nozzle Temperature		°C	245 to 250

### **Drying Conditions**

Material can be dried for 4 hours at 90 - 100°C or until moisture level <0.2%.

### **HANDLING AND STORAGE**

**Handling:** Maintain good housekeeping. Spilled materials may create a slipping hazard. Remove dust from settling areas to prevent any secondary potential dust explosion or fire hazards. Electrostatic charge may build up during handling. Grounding of equipment is recommended.

**Storage:** Store in a dry place and away from direct sunlight or heat sources.

### **DISPOSAL CONSIDERATIONS**

**Disposal Method:** It must be disposed of in accordance with Federal, State and local environmental control regulations.

The data and information contained herein are typical average values, based on our current level of knowledge and experience, and do not constitute sales specifications. No liability, warranty or guarantee of product performance is created by this document. It is the buyer's responsibility to inspect and test our products in order to determine the suitability for the buyer's application.

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