

# N1 230 GFFR NTR POLYAMIDE (PA-6)



## PRODUCT DESCRIPTION

- Nylon 6 30% Glass Filled with Flame Retardant.

## FEATURES

- Flame Retardant
- Glass Filled
- Excellent Surface Finish
- Excellent Mechanical

## APPLICATIONS

- Electrical & Electronic
- MCB

TYPICAL PROPERTIES	TEST ASTM	UNIT	Test Values
<b>PHYSICAL PROPERTIES</b>			
Density	D-792	g/cc	1.61 ± 0.02
Ash Content / Reinforcement	D-5630	%	30 ± 2
Shrinkage	D-1299	%	NA
<b>MECHANICAL PROPERTIES</b>			
Tensile Strength Yield	D-638	MPa	≥ 120
Elongation Break	D-638	%	≥ 4
Flexural Strength,	D-790	MPa	≥ 155
Flexural Modulus	D-790	MPa	≥ 6500
Impact Strength (IZOD Notched)	D-256	Kg cm/cm	≥ 8
<b>THERMAL PROPERTIES</b>			
Heat Deflection Temperature - Method B	D-648	°C	170-180
Vicat Softening Temperature @ 50N	D-1525	°C	NA

## Ravago Manufacturing India Pvt Ltd.

96, GIDC Alindra, Manjusar,  
Tal. Savali, Vadodara 391775. India

+919909901581

Format No: F-QC-20

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Rev.No:01

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TYPICAL PROPERTIES	TEST ASTM	UNIT	Test Values
<b>FLAMMABILITY</b>			
Flame Rating	UL 94	-	V0
Glow Wire Testing	EIC 60695- 2-12	°C	960

<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 250
Nozzle Temperature		°C	250 to 255

### Drying Conditions

It is not necessary to pre-dry this material but in the event of moisture accumulation or evidence of splay, the 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.

**NOTE:** Possible presence of metallic particles < 0.8 mm.

### **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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