

# N1 120 GF NTR POLYAMIDE (PA-6)



## PRODUCT DESCRIPTION

Nylon 6 20% Glass Filled Natural Color.

## FEATURES

- Excellent Strength
- Excellent Mechanical & Chemical properties
- Natural Color

## APPLICATIONS

- Automotive
- Home appliance

TYPICAL PROPERTIES	TEST METHOD	UNIT	Typical Values
<b>PHYSICAL PROPERTIES</b>			
Density	D-792	g/cc	1.25
Ash Content / Reinforcement	D-5630	%	20.0
Shrinkage	D-1299	%	0.5
<b>MECHANICAL PROPERTIES</b>			
Tensile Strength Break	D-638	MPa	140
Elongation Break	D-638	%	3
Flexural Strength,	D-790	MPa	185
Flexural Modulus	D-790	MPa	6000
Impact Strength (IZOD Notched)	D-256	Kg cm/cm	10.0
<b>THERMAL PROPERTIES</b>			
Heat Deflection Temperature - Method B	D-648	°C	202
Vicat Softening Temperature @ 50N	D-1525	°C	NA

## Ravago Manufacturing India Private Limited.

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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	-	HB
Glow Wire Testing	IEC 60695-2-12		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 250
Nozzle Temperature		°C	250 to 260

### 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.

**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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