

# N2 010 GF NTR POLYAMIDE (PA-66)



## PRODUCT DESCRIPTION

Nylon 66 10% Glass Filled Natural.

## FEATURES

- Improved Mechanical & Chemical properties

## APPLICATIONS

- Automotive
- Home appliance

TYPICAL PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUES
<b>PHYSICAL PROPERTIES</b>			
Density	D-792	g/cc	1.20
Shrinkage	D-1299	%	0.4
Melting Point	D-7138	°C	265
<b>MECHANICAL PROPERTIES</b>			
Tensile Strength Yield	D-638	MPa	110
Elongation Break	D-638	%	3.5
Flexural Strength,	D-790	MPa	180
Flexural Modulus	D-790	MPa	5100
Impact Strength (IZOD Notched)	D-256	KJ/m <sup>2</sup>	5
<b>THERMAL PROPERTIES</b>			
Heat Deflection Temperature - Method B	D-648	°C	205
Vicat Softening Temperature @ 50N	D-1525	°C	NA

## Ravago Manufacturing India Pvt Ltd.

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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		NA

<b>INJECTION MOLDING CONDITIONS</b>			
Mold Temperature		°C	80 to 100
Rear Temperature		°C	260 to 265
Middle Temperature		°C	265 to 270
Front Temperature		°C	270 to 280
Nozzle Temperature		°C	280 to 300

### 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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