

# N1 120 GF HFFR GY 35 POLYAMIDE (PA-6)



## PRODUCT DESCRIPTION

- Nylon 6 20% Glass Filled, Flame Retardant Grade

## FEATURES

- Flame Retardant
- Halogen free
- Excellent Mechanical

## APPLICATIONS

- Electrical & Electronic

TYPICAL PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUES
<b>PHYSICAL PROPERTIES</b>			
Density	D-792	g/cc	1.42
<b>MECHANICAL PROPERTIES</b>			
Tensile Strength Yield	D-638	MPa	61
Elongation Break	D-638	%	3.0
Flexural Strength	D-790	MPa	95
Charpy Notched Impact Strength	ISO 179/1eA	Kg cm/cm	3.5
<b>THERMAL PROPERTIES</b>			
Heat Deflection Temperature – 1.8MPa	D-648	°C	180
Heat Deflection Temperature – 0.45MPa	D-648	°C	200

## 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 @1.5mm thickness	UL 94	-	V2
Glow Wire Flammability Index, 1.2mm (GWFI)	IEC 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

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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