

N2 020 GF FR GY 35 POLYAMIDE (PA-66)



PRODUCT DESCRIPTION

Nylon 66 20% Glass Filled Flame Retardant Grey.

FEATURES

- Heat Stabilized
- Excellent Mechanical & Chemical properties
- Flame Retardant
- Grey Color

APPLICATIONS

- Automotive
- Home appliance

TYPICAL PROPERTIES	TEST METHOD	UNIT	Typical Values
PHYSICAL PROPERTIES			
Density	D-792	g/cc	1.48
Ash Content / Reinforcement	D-5630	%	25
Shrinkage	D-1299	%	0.4
MECHANICAL PROPERTIES			
Tensile Strength Yield	D-638	MPa	105
Elongation Break	D-638	%	3
Flexural Strength,	D-790	MPa	170
Flexural Modulus	D-790	MPa	6900
Impact Strength (IZOD Notched)	D-256	Kg cm/cm	6
THERMAL PROPERTIES			
Heat Deflection Temperature - Method B	D-648	°C	250
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
FLAMMABILITY			
Flame Rating @ 3.2 mm	UL 94	-	V0
Glow Wire Testing @ 960°C	IEC 60695-2-12		Pass

INJECTION MOLDING CONDITIONS			
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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