

N2 000 UF FR NTR POLYAMIDE (PA-66)



PRODUCT DESCRIPTION

Nylon 66 Unfilled Flame Retardant Natural

FEATURES

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

APPLICATIONS

- Automotive
- Home appliance

| TYPICAL PROPERTIES | TEST METHOD | UNIT | Typical Values |
|--|-------------|----------|----------------|
| PHYSICAL PROPERTIES | | | |
| Density | D-792 | g/cc | 1.27 |
| Ash Content / Reinforcement | D-5630 | % | NA |
| Shrinkage | D-1299 | % | 0.4 |
| MECHANICAL PROPERTIES | | | |
| Tensile Strength Yield | D-638 | MPa | 65 |
| Elongation Break | D-638 | % | 25 |
| Flexural Strength, | D-790 | MPa | 85 |
| Flexural Modulus | D-790 | MPa | 2300 |
| Impact Strength (IZOD Notched) | D-256 | Kg cm/cm | 7 |
| THERMAL PROPERTIES | | | |
| Heat Deflection Temperature - @1.8 MPa | 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 @ 1.6mm | 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 | 230 to 240 |
| Middle Temperature | | °C | 235 to 240 |
| Front Temperature | | °C | 240 to 245 |
| 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.

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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