

N1 000 UF FR NTR POLYAMIDE (PA-6)



PRODUCT DESCRIPTION

Nylon 6 unfilled Flame Retardant Natural

FEATURES

- Flame Retardant
- Excellent Mechanical & Chemical properties
- ROHS compliance
- Color : Natural

APPLICATIONS

- Furniture
- Automotive
- Home appliances

TYPICAL PROPERTIES	TEST METHOD	UNIT	Typical Values
PHYSICAL PROPERTIES			
Density	D-792	g/cc	1.27
MECHANICAL PROPERTIES			
Tensile Strength Yield	D-638	MPa	60
Elongation Break	D-638	%	10
Flexural Strength,	D-790	MPa	90
Impact Strength (IZOD Notched)	D-256	J/m	70
THERMAL PROPERTIES			
Heat Deflection Temperature – 1.8 MPa Method B	D-648	°C	75

Ravago Manufacturing India Private Limited

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Rev.No:01

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TYPICAL PROPERTIES	TEST METHOD	UNIT	Test Values
FLAMMABILITY			
Flame Rating, 0.8 mm	UL 94	-	V0
Glow Wire Testing @ 960 °C	IEC 60695-2-12	°C	NA

INJECTION MOLDING CONDITIONS			
Mold Temperature		°C	80 to 100
Rear Temperature		°C	200 to 210
Middle Temperature		°C	210 to 215
Front Temperature		°C	215 to 220
Nozzle Temperature		°C	220 to 230

N1 100 UF FR BLK meets the DIN EN 45545-2 standard. (Not tested)

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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