

N1 100 UF FR BLK POLYAMIDE (PA-6)



PRODUCT DESCRIPTION

Nylon 6 unfilled Flame Retardant Black

FEATURES

- Flame Retardant
- Excellent Mechanical & Chemical properties
- Halogen and Phosphorus Free
- ROHS compliance
- Color : Black

APPLICATIONS

- Furniture
- Automotive
- Home appliances

TYPICAL PROPERTIES	TEST METHOD	UNIT	Typical Values
PHYSICAL PROPERTIES			
Density	D-792	g/cc	1.17
MECHANICAL PROPERTIES			
Tensile Strength Yield	D-638	MPa	64
Elongation Break	D-638	%	10
Flexural Strength,	D-790	MPa	110
Impact Strength (IZOD Notched)	D-256	J/m	60
THERMAL PROPERTIES			
Heat Deflection Temperature – 1.8 MPa Method B	D-648	°C	75

Ravago Manufacturing India Pvt Ltd.

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Rev.No:01

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TYPICAL PROPERTIES	TEST METHOD	UNIT	Test Values
FLAMMABILITY			
Flame Rating, 3.2 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	220 to 230
Middle Temperature		°C	230 to 240
Front Temperature		°C	240 to 250
Nozzle Temperature		°C	250 to 255

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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