N1 000 UF BLK
POLYAMIDE (PA-6)

PRODUCT DESCRIPTION
Nylon 6 Unfilled Black

FEATURES

- Excellent Mechanical & Chemical properties
- Injection Molding grade

APPLICATIONS

- Furniture
- Automotive
- Home appliance

TYPICAL PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUES
PHYSICAL PROPERTIES			
Density	**D-792**	**g/cc**	**1.14**
MECHANICAL PROPERTIES			
Tensile Strength	**D-638**	**MPa**	70
Elongation Break	**D-638**	**%**	25
Flexural Strength	**D-790**	**MPa**	90
Impact Strength (IZOD Notched)	**D-256**	**Kg cm/cm**	7
THERMAL PROPERTIES			
Heat Deflection Temperature - Method B	**D-648**	**°C**	60

Technical

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TYPICAL PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUES
FLAMMABILITY			
Flame Rating	**UL 94**	-	**HB**
Glow Wire Testing	**IEC 60695-2-12**		**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**	**235 to 240**

Drying Conditions
Material can be dried for 4 hours at 100 - 110°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.

Technical Datasheet

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