

N1 215 GF MI BLK POLYAMIDE (PA-6)



PRODUCT DESCRIPTION

Nylon 6 15% Glass Filled.

FEATURES

- Glass Filled
- Excellent Surface Finish
- Excellent Mechanical & Chemical properties

APPLICATIONS

- Furniture
- Automotive
- Home appliance

TYPICAL PROPERTIES	TEST ASTM	UNIT	Test Values
PHYSICAL PROPERTIES			
Density	D-792	g/cc	1.24 ± 0.02
Ash Content / Reinforcement	D-5630	%	15 ± 2
Shrinkage	D-1299	%	0.3 - 0.6
MECHANICAL PROPERTIES			
Tensile Strength Yield	D-638	MPa	≥ 90
Elongation Break	D-638	%	≥ 6
Flexural Strength,	D-790	MPa	≥ 120
Flexural Modulus	D-790	MPa	≥ 2800
Impact Strength (IZOD Notched)	D-256	Kg cm/cm	≥ 5
THERMAL PROPERTIES			
Heat Deflection Temperature - Method B	D-648	°C	180-190
Vicat Softening Temperature @ 50N	D-1525	°C	NA

Ravago Manufacturing India Pvt Ltd.

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Rev.No:01

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TYPICAL PROPERTIES	TEST ASTM	UNIT	Test Values
FLAMMABILITY			
Flame Rating	UL 94	-	HB
Glow Wire Testing	EIC 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

It is not necessary to pre-dry this material but in the event of moisture accumulation or evidence of splay, the 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.

NOTE: Possible presence of metallic particles < 0.8 mm.

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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