

AB 020 GF NAT

Acrylonitrile Butadiene Styrene



PRODUCT DESCRIPTION

ABS 20% Glass Filled Natural Grade.

FEATURES

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

APPLICATIONS

- Fan blades
- Home appliance
- Blowers

TYPICAL PROPERTIES	TEST ASTM	UNIT	Test Values
PHYSICAL PROPERTIES			
Density	D-792	g/cc	1.18 ± 0.02
Ash Content / Reinforcement	D-5630	%	20 ± 2
Melt Flow Index	D-1238	g/10min	10 ± 2
Shrinkage	D-1299	%	NA
MECHANICAL PROPERTIES			
Tensile Strength Yield	D-638	MPa	≥ 75
Elongation Break	D-638	%	≥ 4
Flexural Strength,	D-790	MPa	≥ 90
Flexural Modulus	D-790	MPa	≥ 4000
Impact Strength (IZOD Notched)	D-256	Kg cm/cm	≥ 8
THERMAL PROPERTIES			
Heat Deflection Temperature - Method B	D-648	°C	101
Vicat Softening Temperature @ 50N	D-1525	°C	103

Ravago Manufacturing India Pvt Ltd.

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Format No: F-QC-20

www.ravagomi.com

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	70 to 80
Rear Temperature		°C	210 to 215
Middle Temperature		°C	215 to 225
Front Temperature		°C	225 to 235
Nozzle Temperature		°C	215 to 220

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 2-3 hours at 70 - 80°C.

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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