

# AB 315 GF 01 BLK

## Acrylonitrile Butadiene Styrene



### PRODUCT DESCRIPTION

ABS 15% Glass Filled Black Grade.

### FEATURES

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

### APPLICATIONS

- Fan blades
- Home appliance
- Blowers

TYPICAL PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUES
<b>PHYSICAL PROPERTIES</b>			
Density	D-792	g/cc	1.16
Shrinkage	D-955	%	0.2
Melt Flow Rate(220°C/10Kg)	D-1238	cc/10min	14
<b>MECHANICAL PROPERTIES</b>			
Tensile Strength Yield	D-638	MPa	63
Elongation Break	D-638	%	3
Tensile Modulus	D-638	MPa	4000
Flexural Strength,	D-790	MPa	97
Flexural Modulus	D-790	MPa	4900
Impact Strength (IZOD Notched)	D-256	Kg cm/cm	6
<b>THERMAL PROPERTIES</b>			
Heat Deflection Temperature - Method B	D-648	°C	100
Vicat Softening Temperature @ 50N	D-1525	°C	103

## Ravago Manufacturing India Pvt Ltd.

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Format No: F-QC-20

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Rev.No:01

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TYPICAL PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUES
<b>FLAMMABILITY</b>			
Flame Rating	UL 94	-	HB
Glow Wire Testing	IEC 60695-2-12	-	NA

<b>INJECTION MOLDING CONDITIONS</b>			
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

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.

### **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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