

# AB 030 GF GREY

## Acrylonitrile Butadiene Styrene



### PRODUCT DESCRIPTION

ABS 30% Glass Filled Grey.

### FEATURES

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

### APPLICATIONS

- Fan blades
- Home appliance
- Blowers

| TYPICAL PROPERTIES                     | TEST ASTM | UNIT     | Test Values |
|--|-----------|----------|-------------|
| <b>PHYSICAL PROPERTIES</b>             |           |          |             |
| Density                                | D-792     | g/cc     | 1.21 ± 0.02 |
| Ash Content / Reinforcement            | D-5630    | %        | 30 ± 2      |
| Melt Flow Index                        | D-1238    | g/10min  | ≥ 8         |
| Shrinkage                              | D-1299    | %        | NA          |
| <b>MECHANICAL PROPERTIES</b>           |           |          |             |
| Tensile Strength Yield                 | D-638     | MPa      | ≥ 80        |
| Elongation Break                       | D-638     | %        | ≥ 3         |
| Flexural Strength,                     | D-790     | MPa      | ≥ 90        |
| Flexural Modulus                       | D-790     | MPa      | ≥ 5000      |
| Impact Strength (IZOD Notched)         | D-256     | Kg cm/cm | ≥ 5         |
| <b>THERMAL PROPERTIES</b>              |           |          |             |
| Heat Deflection Temperature - Method B | D-648     | °C       | 102         |
| Vicat Softening Temperature @ 50N      | D-1525    | °C       | 105         |

## Ravago Manufacturing India Pvt Ltd.

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Format No: F-QC-20

[www.ravagomi.com](http://www.ravagomi.com)

Rev.No:01

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| TYPICAL PROPERTIES  | TEST ASTM      | UNIT | Test 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

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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