

## PolyOne Edgetek® AS-20GF-05GB/000 Acrylonitrile Butadiene Styrene (ABS), Glass Filled (discontinued \*\*)

Category : Polymer , Thermoplastic , ABS Polymer

### Material Notes:

Description/Features: Glass Fiber Reinforced Glass Bead Filled PolyOne First Choice Information provided by PolyOne Corporation.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Edgetek-AS-20GF-05GB000-Acrylonitrile-Butadiene-Styrene-ABS-Glass-Filled-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_PolyOne-Edgetek-AS-20GF-05GB000-Acrylonitrile-Butadiene-Styrene-ABS-Glass-Filled-nbspdiscontinued-.php)

| Physical Properties   | Metric                | English               | Comments                    |
|-----------------------|-----------------------|-----------------------|-----------------------------|
| Specific Gravity      | 1.24 g/cc             | 1.24 g/cc             | ASTM D792                   |
| Water Absorption      | 0.050 %               | 0.050 %               | 24 hr. Immersion; ASTM D570 |
| Linear Mold Shrinkage | 0.0020 - 0.0025 cm/cm | 0.0020 - 0.0025 in/in | ASTM D955                   |

| Mechanical Properties      | Metric                                                   | English                                                      | Comments                               |
|----------------------------|----------------------------------------------------------|--------------------------------------------------------------|----------------------------------------|
| Tensile Strength, Ultimate | 56.5 MPa                                                 | 8200 psi                                                     | Type 1 - Rigids, 0.2 in/min; ASTM D638 |
| Elongation at Break        | 3.0 %                                                    | 3.0 %                                                        | Type 1 - Rigids, 0.2 in/min; ASTM D638 |
| Tensile Modulus            | 4.83 GPa                                                 | 700 ksi                                                      | Type 1 - Rigids, 0.2 in/min; ASTM D638 |
| Flexural Strength          | 93.1 MPa                                                 | 13500 psi                                                    | ASTM D790                              |
| Flexural Modulus           | 4.83 GPa                                                 | 700 ksi                                                      | ASTM D790                              |
| Izod Impact, Notched       | 0.854 J/cm<br>@Thickness 6.35 mm,<br>Temperature 23.0 °C | 1.60 ft-lb/in<br>@Thickness 0.250 in,<br>Temperature 73.4 °F | Method A, Injection Molded; ASTM D256  |

| Processing Properties | Metric         | English      | Comments |
|-----------------------|----------------|--------------|----------|
| Melt Temperature      | 221 - 249 °C   | 430 - 480 °F | Molding  |
| Mold Temperature      | 54.4 - 65.6 °C | 130 - 150 °F |          |
| Drying Temperature    | 65.6 - 82.2 °C | 150 - 180 °F |          |
| Dry Time              | 6 hour         | 6 hour       |          |

| Descriptive Properties | Value   | Comments |
|------------------------|---------|----------|
| Product Form           | Pellets |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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