

PolyOne Edgetek® AS-10GB/000 Acrylonitrile Butadiene Styrene (ABS), Glass Bead Filled (discontinued **)

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Glass Bead Filled

Material Notes:

Description/Features: 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-10GB000-Acrylonitrile-Butadiene-Styrene-ABS-Glass-Bead-Filled-nbspdiscontinued-.php

| Physical Properties | Metric | English | Comments |
|-----------------------|-----------------------|-----------------------|-----------------------------|
| Specific Gravity | 1.11 g/cc | 1.11 g/cc | ASTM D792 |
| Water Absorption | 0.050 % | 0.050 % | 24 hr. Immersion; ASTM D570 |
| Linear Mold Shrinkage | 0.0050 - 0.0070 cm/cm | 0.0050 - 0.0070 in/in | ASTM D955 |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|--|--|--|
| Tensile Strength, Ultimate | 37.9 MPa | 5500 psi | Type 1 - Rigids, 0.2 in/min; ASTM D638 |
| Elongation at Break | 5.0 % | 5.0 % | Type 1 - Rigids, 0.2 in/min; ASTM D638 |
| Tensile Modulus | 2.76 GPa | 400 ksi | Type 1 - Rigids, 0.2 in/min; ASTM D638 |
| Flexural Strength | 37.9 MPa | 5500 psi | ASTM D790 |
| Flexural Modulus | 2.76 GPa | 400 ksi | ASTM D790 |
| Izod Impact, Notched | 0.801 J/cm @Thickness 6.35 mm, Temperature 23.0 °C | 1.50 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F | Method A, Injection Molded; ASTM D256 |

| Processing Properties | Metric | English | Comments |
|-----------------------|--------------|--------------|----------|
| Melt Temperature | 227 - 243 °C | 440 - 470 °F | Molding |
| Mold Temperature | >= 65.6 °C | >= 150 °F | |
| Drying Temperature | 65.6 °C | 150 °F | |
| Dry Time | 2 hour | 2 hour | |

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

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