

Aclo Accutech Polyethylene HD0232G20CV High Density Glass Reinforced Chemically Coupled

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Glass fiber Filled

Material Notes:

Approved to GMP.PE.018 Black A12438

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aclo-Accutech-Polyethylene-HD0232G20CV-High-Density-Glass-Reinforced-Chemically-Coupled.php

| Physical Properties | Metric | English | Comments |
|-----------------------|---------------|---------------------------|------------|
| Density | 1.08 g/cc | 0.0390 lb/in ³ | ASTM D792 |
| Linear Mold Shrinkage | 0.0040 cm/cm | 0.0040 in/in | ASTM D955 |
| Melt Flow | 0.20 g/10 min | 0.20 g/10 min | ASTM D1238 |
| Ash | 18 - 22 % | 18 - 22 % | ASTM D2584 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|-----------|---------------|-----------|
| Hardness, Rockwell R | 75 | 75 | ASTM D785 |
| Tensile Strength, Yield | 38.0 MPa | 5510 psi | ASTM D638 |
| Elongation at Break | 5.0 % | 5.0 % | ASTM D638 |
| Tensile Modulus | 2.499 GPa | 362.5 ksi | ASTM D638 |
| Flexural Strength | 34.0 MPa | 4930 psi | ASTM D790 |
| Flexural Modulus | 2.499 GPa | 362.5 ksi | ASTM D790 |
| Izod Impact, Notched | 1.07 J/cm | 2.00 ft-lb/in | ASTM D256 |
| Izod Impact, Unnotched | 4.27 J/cm | 8.00 ft-lb/in | ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|---|---------|---------|-----------|
| Deflection Temperature at 0.46 MPa (66 psi) | 125 °C | 257 °F | ASTM D648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 95.0 °C | 203 °F | |

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