

Aclo Accutech Polypropylene Copolymer CP0436G10M20CL Glass/Mineral Reinforced Coupled

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Glass/Mineral Reinforced

Material Notes:

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aclo-Accutech-Polypropylene-Copolymer-CP0436G10M20CL-GlassMineral-Reinforced-Coupled.php

| Physical Properties | Metric | English | Comments |
|-----------------------|--------------|---------------------------|---------------|
| Density | 1.11 g/cc | 0.0401 lb/in ³ | ASTM D792 |
| Linear Mold Shrinkage | 0.0030 cm/cm | 0.0030 in/in | MD; ASTM D955 |
| Melt Flow | 5.0 g/10 min | 5.0 g/10 min | ASTM D1238 |
| Ash | 30 % | 30 % | ASTM D2584 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|-----------|---------------|-----------|
| Hardness, Rockwell R | 55 | 55 | ASTM D785 |
| Tensile Strength at Break | 28.0 MPa | 4060 psi | ASTM D638 |
| Tensile Strength, Yield | 30.0 MPa | 4350 psi | ASTM D638 |
| Elongation at Break | 8.0 % | 8.0 % | ASTM D638 |
| Elongation at Yield | 4.0 % | 4.0 % | ASTM D638 |
| Tensile Modulus | 2.699 GPa | 391.5 ksi | ASTM D638 |
| Flexural Strength | 46.0 MPa | 6670 psi | ASTM D790 |
| Flexural Modulus | 3.349 GPa | 485.8 ksi | ASTM D790 |
| Izod Impact, Notched | 1.01 J/cm | 1.90 ft-lb/in | ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|---|--------|---------|-----------|
| Deflection Temperature at 0.46 MPa (66 psi) | 145 °C | 293 °F | ASTM D648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 103 °C | 217 °F | |

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