

Aclo Accutech Polypropylene Homopolymer HP0339G10M20CL 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-Homopolymer-HP0339G10M20CL-GlassMineral-Reinforced-Coupled.php

| Physical Properties | Metric | English | Comments |
|-----------------------|--------------|---------------------------|---------------|
| Density | 1.10 g/cc | 0.0397 lb/in ³ | ASTM D792 |
| Linear Mold Shrinkage | 0.0040 cm/cm | 0.0040 in/in | MD; ASTM D955 |
| Melt Flow | 10 g/10 min | 10 g/10 min | ASTM D1238 |
| Ash | 30 % | 30 % | ASTM D2584 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|------------|----------------|-----------|
| Hardness, Rockwell R | 81 | 81 | ASTM D785 |
| Tensile Strength at Break | 40.0 MPa | 5800 psi | ASTM D638 |
| Tensile Strength, Yield | 41.0 MPa | 5950 psi | ASTM D638 |
| Elongation at Break | 6.0 % | 6.0 % | ASTM D638 |
| Elongation at Yield | 3.0 % | 3.0 % | ASTM D638 |
| Tensile Modulus | 3.60 GPa | 522 ksi | ASTM D638 |
| Flexural Strength | 64.0 MPa | 9280 psi | ASTM D790 |
| Flexural Modulus | 4.000 GPa | 580.1 ksi | ASTM D790 |
| Izod Impact, Notched | 0.400 J/cm | 0.750 ft-lb/in | ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|---|---------|---------|-----------|
| Deflection Temperature at 0.46 MPa (66 psi) | 151 °C | 304 °F | ASTM D648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 42.8 °C | 109 °F | |

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