

Aclo Accutech Polypropylene Homopolymer HP0339C40L1 Calcium Reinforced

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 40% Calcium Carbonate (CaCO3) Filler

Material Notes:

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aclo-Accutech-Polypropylene-Homopolymer-HP0339C40L1-Calcium-Reinforced.php

| Physical Properties | Metric | English | Comments |
|-----------------------|-------------|----------------------------|---------------|
| Density | 1.213 g/cc | 0.04382 lb/in ³ | ASTM D792 |
| Linear Mold Shrinkage | 0.011 cm/cm | 0.011 in/in | MD; ASTM D955 |
| Melt Flow | 21 g/10 min | 21 g/10 min | ASTM D1238 |
| Ash | 40 % | 40 % | ASTM D2584 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|------------|----------------|-----------|
| Hardness, Rockwell R | 85 | 85 | ASTM D785 |
| Tensile Strength at Break | 19.0 MPa | 2760 psi | ASTM D638 |
| Tensile Strength, Yield | 26.0 MPa | 3770 psi | ASTM D638 |
| Elongation at Break | 30 % | 30 % | ASTM D638 |
| Elongation at Yield | 4.0 % | 4.0 % | ASTM D638 |
| Tensile Modulus | 2.20 GPa | 319 ksi | ASTM D638 |
| Flexural Strength | 37.0 MPa | 5370 psi | ASTM D790 |
| Flexural Modulus | 2.099 GPa | 304.5 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) | 110 °C | 230 °F | ASTM D648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 62.2 °C | 144 °F | |

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