

## Aclo Accutech Polypropylene Homopolymer HP0339M10L Mica Reinforced

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 10% Mica Filler

Material Notes:

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Aclo-Accutech-Polypropylene-Homopolymer-HP0339M10L-Mica-Reinforced.php](http://www.lookpolymers.com/polymer_Aclo-Accutech-Polypropylene-Homopolymer-HP0339M10L-Mica-Reinforced.php)

| Physical Properties   | Metric      | English                   | Comments      |
|-----------------------|-------------|---------------------------|---------------|
| Density               | 0.950 g/cc  | 0.0343 lb/in <sup>3</sup> | ASTM D792     |
| Linear Mold Shrinkage | 0.012 cm/cm | 0.012 in/in               | MD; ASTM D955 |
| Melt Flow             | 20 g/10 min | 20 g/10 min               | ASTM D1238    |
| Ash                   | 10 %        | 10 %                      | ASTM D2584    |

| Mechanical Properties     | Metric     | English        | Comments  |
|---------------------------|------------|----------------|-----------|
| Hardness, Rockwell R      | 94         | 94             | ASTM D785 |
| Tensile Strength at Break | 27.0 MPa   | 3920 psi       | ASTM D638 |
| Tensile Strength, Yield   | 34.0 MPa   | 4930 psi       | ASTM D638 |
| Elongation at Break       | 20 %       | 20 %           | ASTM D638 |
| Elongation at Yield       | 6.0 %      | 6.0 %          | ASTM D638 |
| Tensile Modulus           | 1.80 GPa   | 261 ksi        | ASTM D638 |
| Flexural Strength         | 40.0 MPa   | 5800 psi       | ASTM D790 |
| Flexural Modulus          | 1.80 GPa   | 261 ksi        | ASTM D790 |
| Izod Impact, Notched      | 0.352 J/cm | 0.660 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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