

## Aclo Accutech Polypropylene Copolymer CP0437T30L1 Talc Reinforced

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 30% Talc Filler

Material Notes:

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Aclo-Accutech-Polypropylene-Copolymer-CP0437T30L1-Talc-Reinforced.php](http://www.lookpolymers.com/polymer_Aclo-Accutech-Polypropylene-Copolymer-CP0437T30L1-Talc-Reinforced.php)

| Physical Properties   | Metric       | English                   | Comments      |
|-----------------------|--------------|---------------------------|---------------|
| Density               | 1.13 g/cc    | 0.0408 lb/in <sup>3</sup> | ASTM D792     |
| Linear Mold Shrinkage | 0.0070 cm/cm | 0.0070 in/in              | MD; ASTM D955 |
| Melt Flow             | 16 g/10 min  | 16 g/10 min               | ASTM D1238    |
| Ash                   | 30 %         | 30 %                      | ASTM D2584    |

| Mechanical Properties     | Metric    | English       | Comments  |
|---------------------------|-----------|---------------|-----------|
| Hardness, Rockwell R      | 45        | 45            | ASTM D785 |
| Tensile Strength at Break | 15.0 MPa  | 2180 psi      | ASTM D638 |
| Tensile Strength, Yield   | 18.0 MPa  | 2610 psi      | ASTM D638 |
| Elongation at Break       | 10 %      | 10 %          | ASTM D638 |
| Elongation at Yield       | 3.0 %     | 3.0 %         | ASTM D638 |
| Tensile Modulus           | 1.700 GPa | 246.5 ksi     | ASTM D638 |
| Flexural Strength         | 20.0 MPa  | 2900 psi      | ASTM D790 |
| Flexural Modulus          | 2.00 GPa  | 290 ksi       | ASTM D790 |
| Izod Impact, Notched      | 1.12 J/cm | 2.10 ft-lb/in | ASTM D256 |

| Thermal Properties                          | Metric  | English | Comments  |
|---|---------|---------|-----------|
| Deflection Temperature at 0.46 MPa (66 psi) | 105 °C  | 221 °F  | ASTM D648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 57.2 °C | 135 °F  |           |

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