

## Aclo Accucomp Polypropylene HPO306L Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Molded

Material Notes:

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Aclo-Accucomp-Polypropylene-HPO306L-Homopolymer.php](http://www.lookpolymers.com/polymer_Aclo-Accucomp-Polypropylene-HPO306L-Homopolymer.php)

| Physical Properties   | Metric      | English                   | Comments      |
|-----------------------|-------------|---------------------------|---------------|
| Density               | 0.903 g/cc  | 0.0326 lb/in <sup>3</sup> | ASTM D792     |
| Linear Mold Shrinkage | 0.012 cm/cm | 0.012 in/in               | MD; ASTM D955 |
| Melt Flow             | 10 g/10 min | 10 g/10 min               | ASTM D1238    |

| Mechanical Properties     | Metric     | English        | Comments  |
|---------------------------|------------|----------------|-----------|
| Hardness, Rockwell R      | 92         | 92             | ASTM D785 |
| Tensile Strength at Break | 22.0 MPa   | 3190 psi       | ASTM D638 |
| Tensile Strength, Yield   | 36.0 MPa   | 5220 psi       | ASTM D638 |
| Elongation at Break       | 400 %      | 400 %          | ASTM D638 |
| Elongation at Yield       | 10 %       | 10 %           | ASTM D638 |
| Tensile Modulus           | 1.300 GPa  | 188.5 ksi      | ASTM D638 |
| Flexural Strength         | 42.0 MPa   | 6090 psi       | ASTM D790 |
| Flexural Modulus          | 1.40 GPa   | 203 ksi        | ASTM D790 |
| Izod Impact, Notched      | 0.299 J/cm | 0.560 ft-lb/in | ASTM D256 |

| Thermal Properties                          | Metric  | English | Comments  |
|---|---------|---------|-----------|
| Deflection Temperature at 0.46 MPa (66 psi) | 82.2 °C | 180 °F  | ASTM D648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 52.8 °C | 127 °F  |           |

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