

## Ashley Polymers Ashlene® 1105 Polycarbonate, 5-7% Glass Reinforced

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, 10% Glass Filled

### Material Notes:

A general purpose foamable injection molding grade resin with 5-7% glass reinforcement.Data provided by the manufacturer

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Ashley-Polymers-Ashlene-1105-Polycarbonate-5-7-Glass-Reinforced.php](http://www.lookpolymers.com/polymer_Ashley-Polymers-Ashlene-1105-Polycarbonate-5-7-Glass-Reinforced.php)

| Physical Properties                | Metric           | English                   | Comments  |
|------------------------------------|------------------|---------------------------|-----------|
| Density                            | 1.28 g/cc        | 0.0462 lb/in <sup>3</sup> | ASTM D792 |
| Water Absorption                   | 0.15 %           | 0.15 %                    | ASTM D570 |
| Moisture Absorption at Equilibrium | 0.31 %           | 0.31 %                    | ASTM D570 |
| Linear Mold Shrinkage              | 0.0060 cm/cm     | 0.0060 in/in              | ASTM D955 |
| Melt Flow                          | 15 - 17 g/10 min | 15 - 17 g/10 min          |           |

| Mechanical Properties      | Metric   | English  | Comments  |
|----------------------------|----------|----------|-----------|
| Tensile Strength, Ultimate | 55.0 MPa | 7980 psi | ATSM D638 |
| Elongation at Break        | 12 %     | 12 %     | ASTM D638 |
| Flexural Modulus           | 2.30 GPa | 334 ksi  | ASTM D790 |

| Thermal Properties                          | Metric | English | Comments  |
|---------------------------------------------|--------|---------|-----------|
| Deflection Temperature at 0.46 MPa (66 psi) | 124 °C | 255 °F  | ASTM D648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 138 °C | 280 °F  | ASTM D648 |

## Contact Songhan Plastic Technology Co.,Ltd.

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