

Ashley Polymers Ashlene® 1021T Polycarbonate

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Impact Modified

Material Notes:

A high flow, high impact resin.Data provided by the manufacturer

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ashley-Polymers-Ashlene-1021T-Polycarbonate.php

| Physical Properties | Metric | English | Comments |
|------------------------------------|------------------|---------------------------|-----------|
| Density | 1.19 g/cc | 0.0430 lb/in ³ | ASTM D792 |
| Water Absorption | 0.15 % | 0.15 % | ASTM D570 |
| Moisture Absorption at Equilibrium | 0.34 % | 0.34 % | ASTM D570 |
| Linear Mold Shrinkage | 0.0070 cm/cm | 0.0070 in/in | ASTM D955 |
| Melt Flow | 16 - 18 g/10 min | 16 - 18 g/10 min | |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|-----------|---------------|-----------|
| Tensile Strength, Ultimate | 55.0 MPa | 7980 psi | ATSM D638 |
| Elongation at Break | 110 % | 110 % | ASTM D638 |
| Flexural Modulus | 2.10 GPa | 305 ksi | ASTM D790 |
| Izod Impact, Notched | 6.40 J/cm | 12.0 ft-lb/in | ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|---|--------|---------|-----------|
| Deflection Temperature at 1.8 MPa (264 psi) | 122 °C | 252 °F | ASTM D648 |

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