

## Ashley Polymers Ashlene® P1440 Polycarbonate, 40% Glass Reinforced

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, 40% Glass Filled

**Material Notes:**

A 40% glass reinforced polycarbonate for maximum mechanical strength and thermal properties. P1443 with UV stabilizer. Data provided by the manufacturer

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Ashley-Polymers-Ashlene-P1440-Polycarbonate-40-Glass-Reinforced.php](http://www.lookpolymers.com/polymer_Ashley-Polymers-Ashlene-P1440-Polycarbonate-40-Glass-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.52 g/cc	0.0549 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.23 %	0.23 %	ASTM D570
Linear Mold Shrinkage	0.010 cm/cm	0.010 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	152 MPa	22000 psi	ATSM D638
Elongation at Break	4.0 %	4.0 %	ASTM D638
Flexural Modulus	9.30 GPa	1350 ksi	ASTM D790
Izod Impact, Notched	1.28 J/cm	2.40 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	152 °C	306 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	146 °C	295 °F	ASTM D648

### Contact Songhan Plastic Technology Co.,Ltd.

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