

Ashley Polymers Ashlene® 1430 Polycarbonate, 30% Glass Reinforced

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, 30% Glass Filled

Material Notes:

A 30% glass reinforced polycarbonate for increased mechanical strength and thermal properties. Also available with UV stabilizer. 1433: with UV stabilizer; 1433-H2: with improved UV stabilizer. Data provided by the manufacturer

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ashley-Polymers-Ashlene-1430-Polycarbonate-30-Glass-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.43 g/cc	0.0517 lb/in ³	ASTM D792
Water Absorption	0.26 %	0.26 %	ASTM D570
Linear Mold Shrinkage	0.010 cm/cm	0.010 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	117 MPa	17000 psi	ATSM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Modulus	6.60 GPa	957 ksi	ASTM D790
Izod Impact, Notched	0.960 J/cm	1.80 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	150 °C	302 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	141 °C	286 °F	ASTM D648

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