

Ashley Polymers Ashlene® P1043R Polycarbonate

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, UV Stabilized

Material Notes:

A general purpose, injection molding grade, natural resin containing UV stabilizer.Data provided by the manufacturer

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ashley-Polymers-Ashlene-P1043R-Polycarbonate.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 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	0.0060 cm/cm	0.0060 in/in	ASTM D955
Melt Flow	12 g/10 min	12 g/10 min	Cond. 0

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	71	71	ASTM D785
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength, Yield	59.0 MPa	8560 psi	ASTM D638
Elongation at Break	120 %	120 %	ASTM D638
Flexural Strength	90.0 MPa	13100 psi	ASTM D790
Flexural Modulus	2.40 GPa	348 ksi	ASTM D790
Izod Impact, Notched	7.74 J/cm	14.5 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	132 °C	270 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	129 °C	264 °F	ASTM D648

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