

Ashley Polymers Ashlene® P1503 Polycarbonate

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

Material Notes:

A rigid flame retardant polycarbonate, UV stabilized for applications requiring superior dimensional stability and overall toughness. Also available as 1500 without UV stabilizer. Data provided by the manufacturer

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ashley-Polymers-Ashlene-P1503-Polycarbonate.php

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0452 lb/in ³	ASTM D792
Water Absorption	0.30 %	0.30 %	ASTM D570
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	65.5 MPa	9500 psi	ATSM D638
Elongation at Break	10 %	10 %	ASTM D638
Flexural Modulus	3.50 GPa	508 ksi	ASTM D790
Izod Impact, Notched	0.990 J/cm	1.85 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	141 °C	286 °F	ASTM D648
Flammability, UL94	V-0 @Thickness 1.60 mm	V-0 @Thickness 0.0630 in	

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