

Ashley Polymers Ashlene® P1525B Polycarbonate

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

A rigid flame retardant black polycarbonate, for applications requiring superior dimensional stability and overall toughness. Data provided by the manufacturer

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ashley-Polymers-Ashlene-P1525B-Polycarbonate.php

Physical Properties	Metric	English	Comments
Density	1.38 g/cc	0.0499 lb/in ³	ASTM D792
Water Absorption	0.12 %	0.12 %	ASTM D570
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	83.0 MPa	12000 psi	ATSM D638
Elongation at Break	5.0 %	5.0 %	ASTM D638
Flexural Modulus	5.90 GPa	856 ksi	ASTM D790
Izod Impact, Notched	0.910 J/cm	1.70 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	143 °C	289 °F	ASTM D648
Flammability, UL94	V-0 @Thickness 1.60 mm	V-0 @Thickness 0.0630 in	

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