

Plaskolite Polycarbonate Mirror Sheet

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

Better strength, security, and flame resistance than PETG mirror sheet. Data provided by the manufacturer, Plaskolite, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plaskolite-Polycarbonate-Mirror-Sheet.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	Estimated by MatWeb.
Water Absorption	0.35 %	0.35 %	ASTM D570

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	65.0 MPa	9430 psi	ASTM D638
Tensile Strength, Yield	58.0 MPa	8410 psi	ASTM D638
Elongation at Break	100 %	100 %	ASTM D638
Tensile Modulus	2.30 GPa	334 ksi	ASTM D638
Flexural Yield Strength	93.0 MPa	13500 psi	ASTM D790
Compressive Yield Strength	86.0 MPa	12500 psi	ASTM D695

Thermal Properties	Metric	English	Comments
CTE, linear	68.4 $\mu\text{m}/\text{m}\cdot^{\circ}\text{C}$	38.0 $\mu\text{in}/\text{in}\cdot^{\circ}\text{F}$	ASTM D696
	@Temperature -18.0 - 38.0 $^{\circ}\text{C}$	@Temperature -0.400 - 100 $^{\circ}\text{F}$	
Thermal Conductivity	0.190 W/m-K	1.32 BTU-in/hr-ft ² - $^{\circ}\text{F}$	ASTM C177
Deflection Temperature at 0.46 MPa (66 psi)	140 $^{\circ}\text{C}$	284 $^{\circ}\text{F}$	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	135 $^{\circ}\text{C}$	275 $^{\circ}\text{F}$	ASTM D648

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