

Plaskolite PETG Mirror Sheet

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET)

Material Notes:

Versatile fabrication properties with good impact strength, good design flexibility, and speed of fabrication. Data provided by the manufacturer, Plaskolite, Inc.

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Density	1.27 g/cc	0.0459 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	48.0 MPa	6960 psi	ASTM D638
Elongation at Break	75 %	75 %	0.3 cm thick
Tensile Modulus	2.10 GPa	305 ksi	ASTM D638
Flexural Yield Strength	77.0 MPa	11200 psi	ASTM D790
Flexural Modulus	2.10 GPa	305 ksi	ASTM D790
Gardner Impact	34.0 J	25.1 ft-lb	No Break

Thermal Properties	Metric	English	Comments
CTE, linear	54.0 $\mu\text{m}/\text{m}\cdot^{\circ}\text{C}$	30.0 $\mu\text{in}/\text{in}\cdot^{\circ}\text{F}$	ASTM D696
	@Temperature -18.0 - 38.0 $^{\circ}\text{C}$	@Temperature -0.400 - 100 $^{\circ}\text{F}$	
Deflection Temperature at 1.8 MPa (264 psi)	63.0 $^{\circ}\text{C}$	145 $^{\circ}\text{F}$	ASTM D648
Vicat Softening Point	82.0 $^{\circ}\text{C}$	180 $^{\circ}\text{F}$	ASTM D1525

Electrical Properties	Metric	English	Comments
Electrical Resistivity	6.00e+15 ohm-cm	6.00e+15 ohm-cm	ASTM D257
Dielectric Constant	3.46	3.46	ASTM D150
	@Frequency 100 Hz	@Frequency 100 Hz	
Dielectric Strength	17.0 kV/mm	432 kV/in	ASTM D149

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