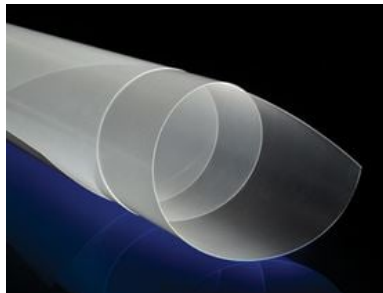


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Infrared (IR) Material Windows



- Excellent Optics for Infrared Detectors
- Minimal Absorption Loss from 8 - 14 μ m
- Easily Cut to Size

Common Specifications

Physical & Mechanical Properties

Thickness (mm):	0.38	Thickness (inches):	0.015
Young's Modulus (GPa):	0.40 - 1.24		

Optical Properties

Coating:	Uncoated		
Index of Refraction (n_d):	Visible (Sodium D Line): 1.52 8-14 μ m: 1.53 15 μ m+: 1.48	Substrate:	Polymer Film
Wavelength Range (nm):	8000 - 14000		

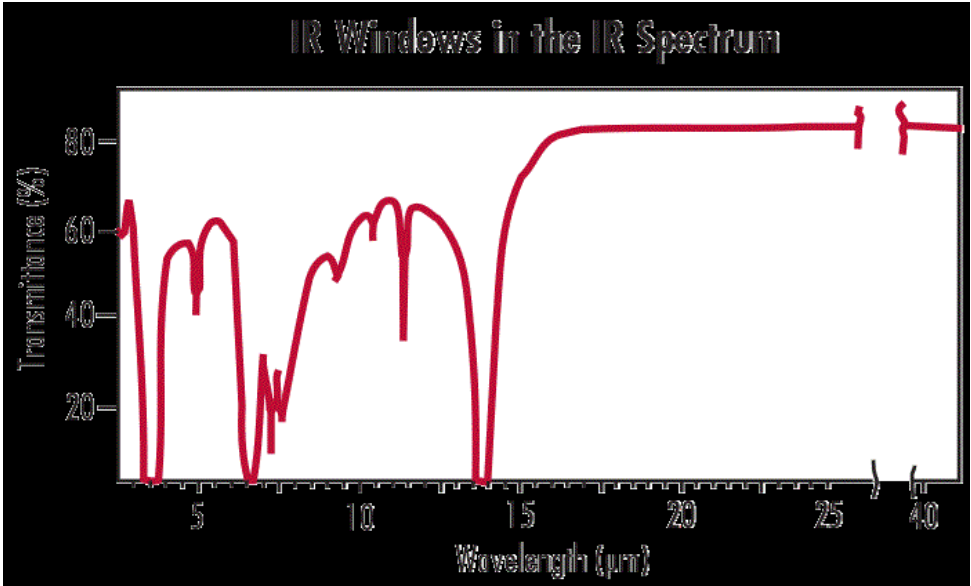
Material Properties

Coefficient of Thermal Expansion CTE ($10^{-6}/^{\circ}\text{C}$):	11 - 13		
Flexural Modulus (psi):	$(100-260) \times 10^3$	Shore Hardness:	D60-70

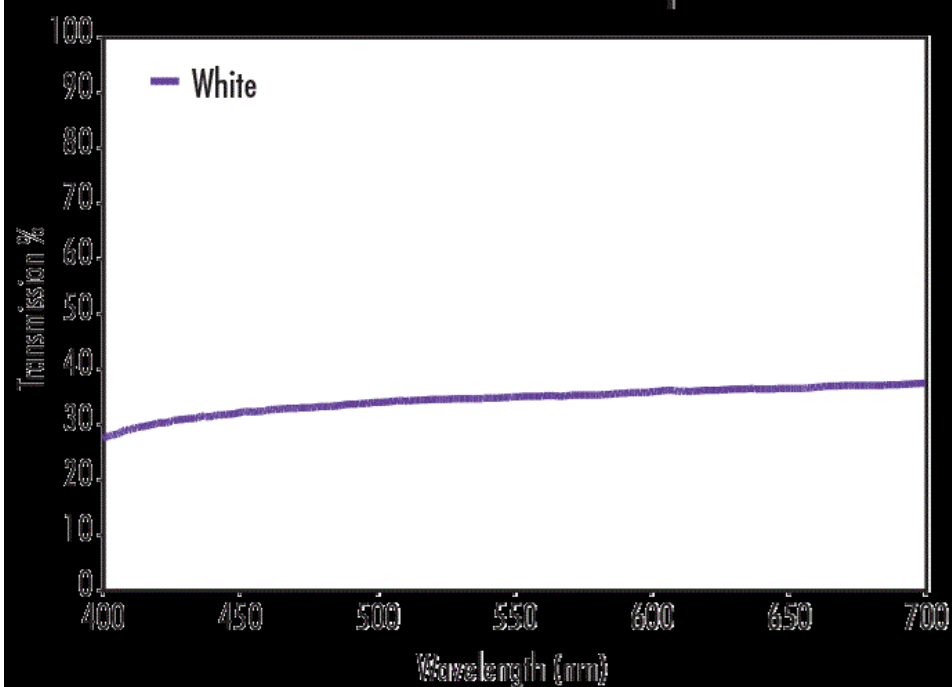
Environmental & Durability Factors

Operating Temperature ($^{\circ}\text{C}$):	100 (Max.)
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Technical Information



IR Windows in the Visible Spectrum



Products

Dimensions (mm)	Thickness (mm)	Thickness (inches)	Coating	Color	Substrate	Stock Number	Price	Buy
152.40 x 152.40	0.38	0.015	Uncoated	White	Polymer Film	#32-807	S\$45.50 Volume Pricing	5 In Stock
152.40 x 152.40	0.38	0.015	Uncoated	Translucent	Polymer Film	#32-806	S\$45.50 Volume Pricing	14 In Stock
304.80 x 304.80	0.38	0.015	Uncoated	White	Polymer Film	#32-809	S\$123.90 Volume Pricing	14 In Stock
304.80 x 304.80	0.38	0.015	Uncoated	Translucent	Polymer Film	#32-808	S\$123.90 Volume Pricing	10 In Stock
609.60 x 609.60	0.38	0.015	Uncoated	White	Polymer Film	#88-611	S\$163.80 Volume Pricing	7 In Stock
609.60 x 609.60	0.38	0.015	Uncoated	Translucent	Polymer Film	#88-610	S\$163.80 Volume Pricing	4 In Stock



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Phone: 1-800-363-1992 :
www.edmundoptics.com