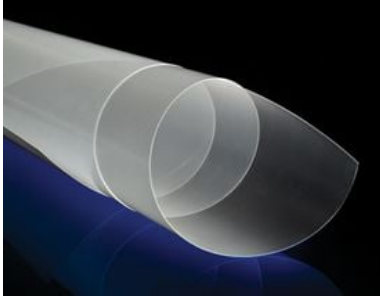


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## Infrared (IR) Material Windows



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

### Common Specifications

#### Physical & Mechanical Properties

<b>Thickness (mm):</b>	0.38	<b>Thickness (inches):</b>	0.015
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<b>Young's Modulus (GPa):</b>	0.40 - 1.24
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#### Optical Properties

<b>Coating:</b>	Uncoated
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<b>Index of Refraction (<math>n_d</math>):</b>	Visible (Sodium D Line): 1.52 8-14 $\mu$ m: 1.53 15 $\mu$ m+: 1.48
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<b>Substrate:</b>	Polymer Film
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<b>Wavelength Range (nm):</b>	8000 - 14000
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#### Material Properties

<b>Coefficient of Thermal Expansion CTE (<math>10^{-6}/^{\circ}\text{C}</math>):</b>	11 - 13
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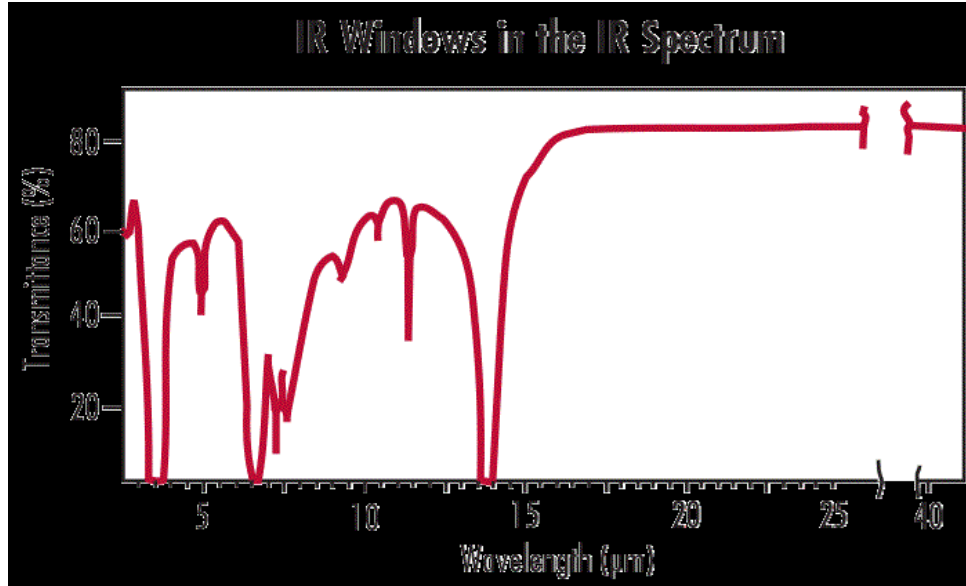
<b>Flexural Modulus (psi):</b>	$(100-260) \times 10^3$
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<b>Shore Hardness:</b>	D60-70
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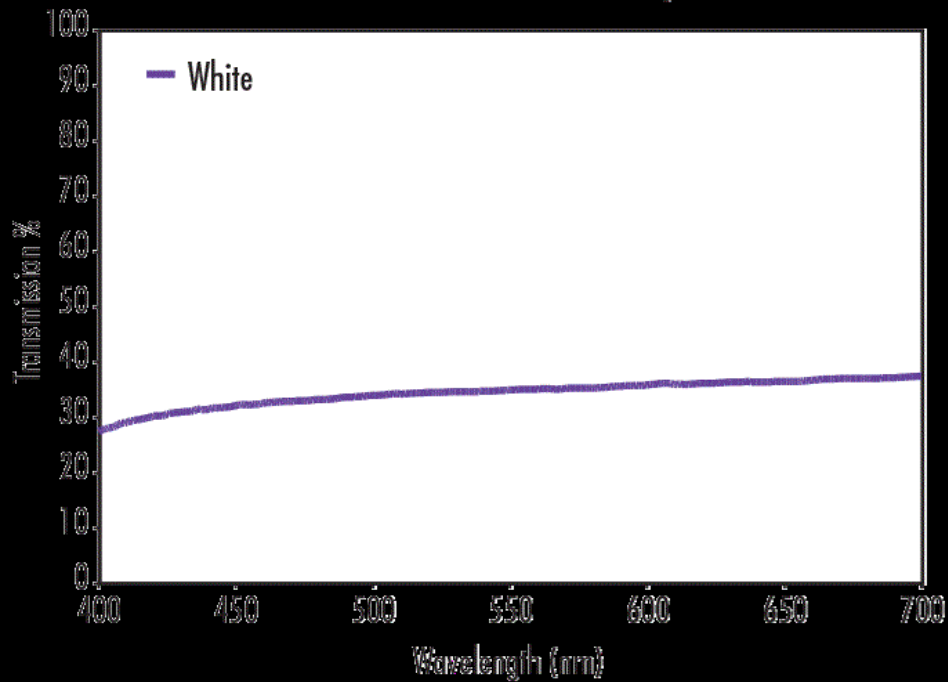
#### Environmental & Durability Factors

<b>Operating Temperature (<math>^{\circ}\text{C}</math>):</b>	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	<a href="#">#32-807</a>	£26.00 <a href="#">Volume Pricing</a>	5 In Stock
152.40 x 152.40	0.38	0.015	Uncoated	Translucent	Polymer Film	<a href="#">#32-806</a>	£26.00 <a href="#">Volume Pricing</a>	15 In Stock
304.80 x 304.80	0.38	0.015	Uncoated	White	Polymer Film	<a href="#">#32-809</a>	£70.80 <a href="#">Volume Pricing</a>	14 In Stock
304.80 x 304.80	0.38	0.015	Uncoated	Translucent	Polymer Film	<a href="#">#32-808</a>	£70.80 <a href="#">Volume Pricing</a>	10 In Stock
609.60 x 609.60	0.38	0.015	Uncoated	White	Polymer Film	<a href="#">#88-611</a>	£93.60 <a href="#">Volume Pricing</a>	8 In Stock
609.60 x 609.60	0.38	0.015	Uncoated	Translucent	Polymer Film	<a href="#">#88-610</a>	£93.60 <a href="#">Volume Pricing</a>	4 In Stock



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