

## 6" x 6" White, IR Material Window



Stock **#32-807** **7 In Stock**

1  MRP ₹3,279

Price inclusive of all taxes

**ADD TO CART**

Volume Pricing	
Qty 1-5	₹3,279 each
Qty 6-25	₹2,926 each
Qty 26-99	₹2,825 each
Need More?	<a href="#">Request Quote</a>

### Product Downloads

### General

Protective Window **Type:**

Plastic **Type of Window:**

### Physical & Mechanical Properties

6.00 x 6.00	<b>Dimensions (inches):</b>
152.40 x 152.40	<b>Dimensions (mm):</b>
0.015	<b>Thickness (inches):</b>
0.38	<b>Thickness (mm):</b>
152.40	<b>Length (mm):</b>
152.40	<b>Width (mm):</b>
0.40 - 1.24	<b>Young's Modulus (GPa):</b>

## Optical Properties

Uncoated	<b>Coating:</b>
White	<b>Color:</b>
Polymer Film	<b>Substrate:</b> <input type="checkbox"/>
Visible (Sodium D Line): 1.52 8-14µm: 1.53 15µm+: 1.48	<b>Index of Refraction (n<sub>d</sub>):</b>
8000 - 14000	<b>Wavelength Range (nm):</b>

## Material Properties

11 - 13	<b>Coefficient of Thermal Expansion CTE (10<sup>-6</sup>/°C):</b>
(100-260) x 10 <sup>3</sup>	<b>Flexural Modulus (psi):</b>
D60-70	<b>Shore Hardness:</b>

## Environmental & Durability Factors

100 (Max)	<b>Operating Temperature (°C):</b>
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## Regulatory Compliance

<a href="#">Compliant</a>	<b>RoHS 2015:</b>
<a href="#">View</a>	<b>Certificate of Conformance:</b>
<a href="#">Compliant</a>	<b>Reach 242:</b>
Japan	<b>Country of Origin:</b>
Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91- 80-6845 0000	<b>Imported By:</b>

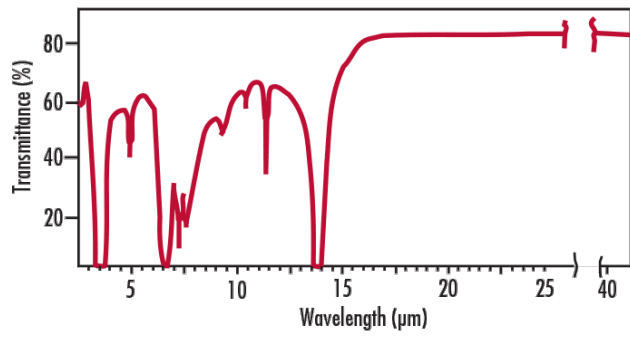
## Product Details

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

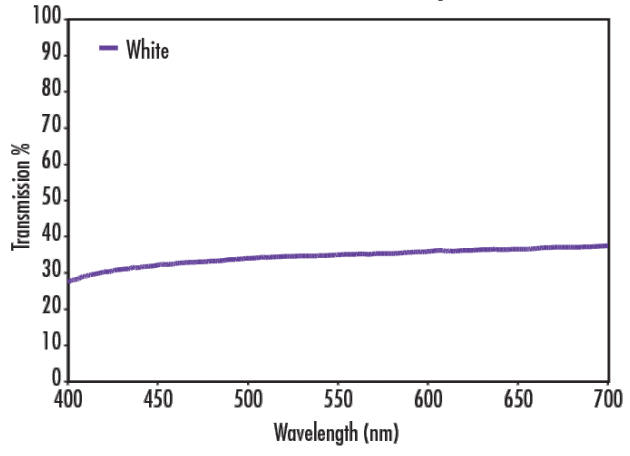
Infrared (IR) Material Windows are molded in an extremely thin and flexible 0.38mm thickness, milky white plastic. The thin design consistent across the window surface, large apertures, and minimal thermal expansion coupled with low absorption from 8 - 14µm make them ideal for a range of infrared applications.

## Technical Information

**IR Windows in the IR Spectrum**



**IR Windows in the Visible Spectrum**



Effect of Sunlight	None to Slight
Effect of Ultraviolet	UV Stabilized
Effect of Weak Acids	Very Little
Effect of Strong Acids	Attacked by Oxidizing Acids
Effect of Weak Alkalies	Very Little
Effect of Strong Alkalies	Very Little
Effect of Organic Solvents	Little below 60°C (140°F)