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24" x 24" Translucent, IR Material Window



Stock **#88-610** **5 In Stock**

MRP ₹11,805

● Price inclusive of all taxes

ADD TO CART

| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1-5 | ₹11,805 each |
| Qty 6-25 | ₹10,594 each |
| Qty 26-99 | ₹10,089 each |
| Need More? | Request Quote |

Product Downloads

General

Protective Window **Type:**

Plastic **Type of Window:**

Physical & Mechanical Properties

| | |
|-----------------|-------------------------------|
| 24.00 x 24.00 | Dimensions (inches): |
| 609.60 x 609.60 | Dimensions (mm): |
| 0.015 | Thickness (inches): |
| 0.38 | Thickness (mm): |
| 609.60 | Length (mm): |
| 609.60 | Width (mm): |
| 0.40 - 1.24 | Young's Modulus (GPa): |

Optical Properties

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

Material Properties

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

Environmental & Durability Factors

| | |
|-----------|------------------------------------|
| 100 (Max) | Operating Temperature (°C): |
|-----------|------------------------------------|

Regulatory Compliance

| | |
|---|------------------------------------|
| Compliant | RoHS 2015: |
| View | Certificate of Conformance: |
| Compliant | Reach 242: |
| United States | Country of Origin: |
| 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 | Imported By: |

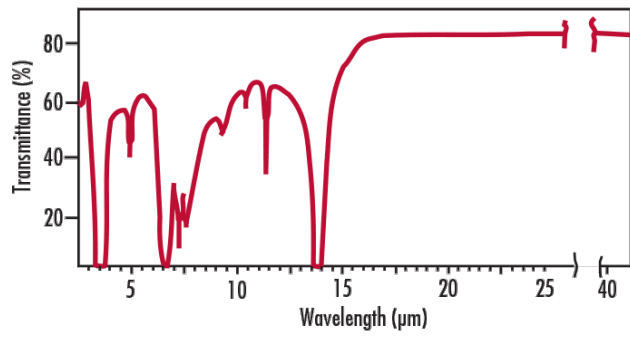
Product Details

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

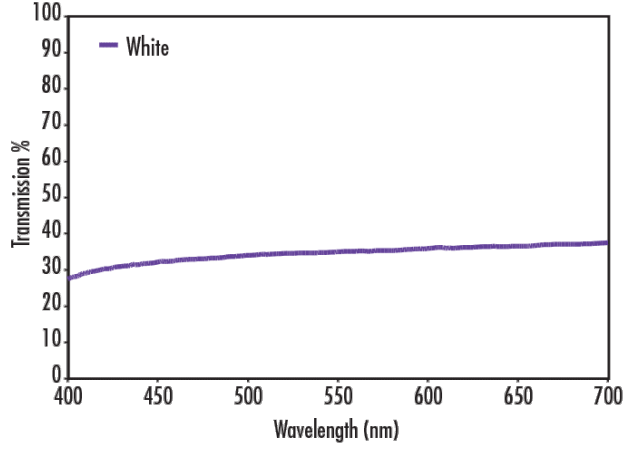
Infrared (IR) Material Windows are molded in an extremely thin and flexible 0.38mm thickness, milky white plastic. The thin design consistent across the window surface, large apertures, and minimal thermal expansion coupled with low absorption from 8 - 14µm make them ideal for a range of infrared applications.

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) |