

24" x 24" Translucent, IR Material Window



Stock **#88-610** **4 In Stock**

⊖ 1 ⊕ **S\$163⁰⁰**

ADD TO CART

| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1-5 | S\$163.80 each |
| Qty 6-25 | S\$147.00 each |
| Qty 26-99 | S\$140.00 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 8-14 μ m: 1.53 15 μ m+: 1.48 | Index of Refraction (n_d): |
| 8000 - 14000 | Wavelength Range (nm): |

Material Properties

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

Environmental & Durability Factors

| | |
|-----------|---|
| 100 (Max) | Operating Temperature ($^{\circ}\text{C}$): |
|-----------|---|

Regulatory Compliance

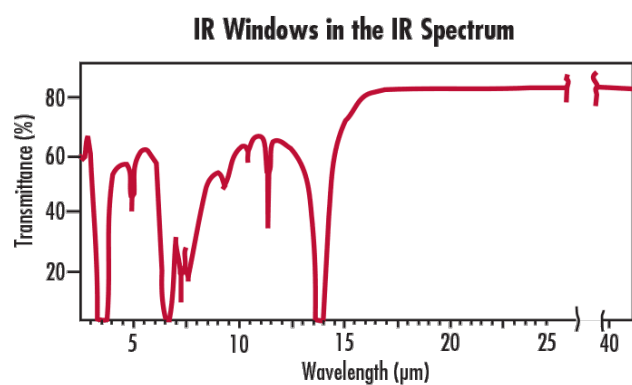
| | |
|---------------------------|------------------------------------|
| Compliant | RoHS 2015: |
| View | Certificate of Conformance: |
| Compliant | Reach 242: |

Product Details

- Excellent Optics for Infrared Detectors
- Minimal Absorption Loss from 8 - 14 μ m
- 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 - 14 μ m make them ideal for a range of infrared applications.

Technical Information



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) |