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10" x 12", Uncoated Plastic Polycarbonate Window



Stock #71-539 **20+ In Stock**

S\$166.⁰⁰

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Volume Pricing	
Qty 1-5	S\$166.60 each
Qty 6-25	S\$133.00 each
Qty 26-49	S\$124.60 each
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General

Protective Window

Type:

Physical & Mechanical Properties

228.60 x 274.32 **Clear Aperture CA (mm):**

10.00 x 12.00 ±0.010 **Dimensions (inches):**

254.00 x 304.80 ±2.54 **Dimensions (mm):**

0.060 ±0.003 **Thickness (inches):**

1.52 ±0.08 **Thickness (mm):**

10.00 **Length (mm):**

12.00 **Width (mm):**

Protective as needed **Bevel:**

Smooth, Machined **Edges:**

Optical Properties

Uncoated **Coating:**

Polycarbonate **Substrate:**

1.585 **Index of Refraction (n_d):**

34 **Abbe Number (v_d):**

425 - 1600 **Wavelength Range (nm):**

Material Properties

68 **Coefficient of Thermal Expansion CTE ($10^{-6}/^{\circ}\text{C}$):**

Regulatory Compliance

[View](#) **Certificate of Conformance:**

Product Details

- High Visible Light Transmission
- Excellent Thermal Stability
- Durable and Lightweight
- [Acrylic \(PMMA\) Plastic Windows](#) Also Available

Polycarbonate Plastic Windows are a lightweight alternative to glass windows. Combining durability and high transmission, these windows are an ideal cost-effective solution for harsh environments and displays. Compared to PMMA acrylic windows, polycarbonate windows are more impact resistant and stronger but are more susceptible to scratches. Polycarbonate Plastic Windows feature lower water absorption and a higher softening temperature than PMMA, but their higher index of refraction leads to higher Fresnel reflections without AR coatings. Their strength and stability make these windows ideal for use in medical and industrial applications.

Technical Information

