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10" x 12", Uncoated Plastic Acrylic Window



Stock #71-544 **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:**

PMMA **Substrate:**

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

58 **Abbe Number (v_d):**

400 - 1600 **Wavelength Range (nm):**

Material Properties

60 **Coefficient of Thermal Expansion CTE (10⁻⁶/°C):**

Regulatory Compliance

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

Product Details

- Highly Scratch-Resistant
- High Visible Light Transmission
- Cost-Effective Alternative to Glass
- [Polycarbonate Plastic Windows](#) Also Available

Acrylic (PMMA) Plastic Windows are ideal for integration into lightweight optical systems. Compared to polycarbonate windows, acrylic windows are more scratch resistant and can be polished to restore optical quality but are more likely to chip or shatter. Acrylic (PMMA) Plastic Windows also provide a higher UV light transmission than polycarbonate and are recyclable. Acrylic windows are used in a wide variety of industrial and medical applications including aircraft windows, automobile headlights, and ophthalmological devices.

Technical Information

