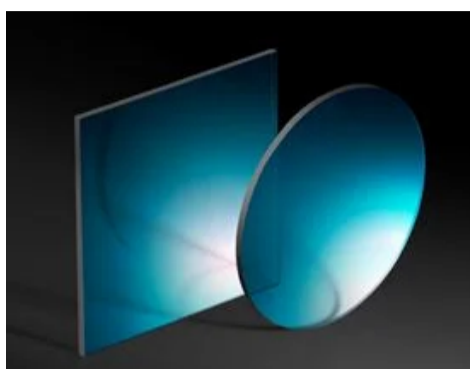


# 8" x 10", Uncoated Plastic Polycarbonate Window



Stock #19-633 **9 In Stock**

1 MRP ₹8,576

Price inclusive of all taxes

**ADD TO CART**

Volume Pricing	
Qty 1-5	₹8,576 each
Qty 6-24	₹6,861 each
Qty 25-49	₹6,457 each
Need More?	<a href="#">Request Quote</a>

Product Downloads

- STEP:step
- PDF Drawing:pdf
- IGES:igs
- eDrawing:eprt
- EO Spec Sheet
- [Download All](#)

## General

<b>Type:</b> Protective Window	<b>Type of Window:</b> Plastic
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## Physical & Mechanical Properties

<b>Clear Aperture CA (mm):</b> 182.88 x 228.60	<b>Dimensions (inches):</b> 8.00 x 10.00
<b>Dimensions (mm):</b> 203.2 x 254.0 ±0.254	<b>Thickness (inches):</b> 0.06
<b>Thickness (mm):</b> 1.52 ±0.1	<b>Length (mm):</b> 202.30
<b>Width (mm):</b> 254.00	<b>Bevel:</b> Protective as needed
<b>Edges:</b> Smooth, Machined	

## Optical Properties

<b>Coating:</b> Uncoated	<b>Substrate:</b> Polycarbonate
<b>Index of Refraction (n<sub>d</sub>):</b> 1.585	<b>Abbe Number (v<sub>d</sub>):</b> 34
<b>Wavelength Range (nm):</b> 425 - 1600	

## Material Properties

<b>Coefficient of Thermal Expansion CTE (10<sup>-6</sup>/°C):</b> 68	
----------------------------------------------------------------------	--

## Regulatory Compliance

Certificate of Conformance:

[View](#)

Country of Origin: United States

Imported By: 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

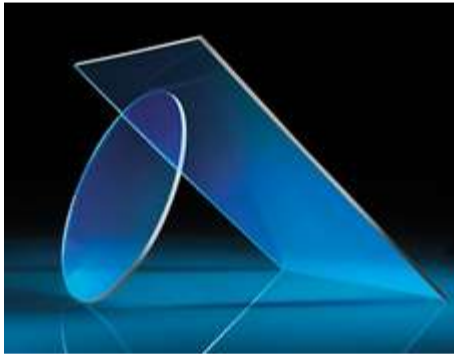
## Product Details

- High Visible Light Transmission
- Excellent Thermal Stability
- Durable and Lightweight
- **Acrylic (PMMA) Plastic Windows** Also Available

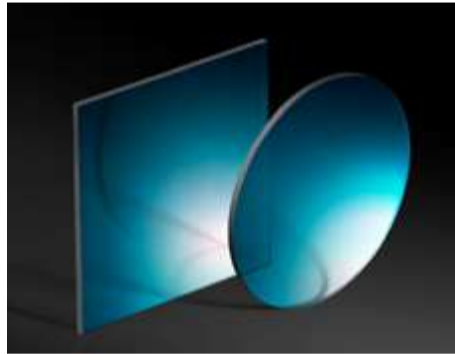
Polycarbonate Plastic Windows are a lightweight alternative to glass windows. Combining durability and high transmission, these windows are an ideal cost-effective solution for harsh environments and displays. Compared to PMMA acrylic windows, polycarbonate windows are more impact resistant and stronger 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

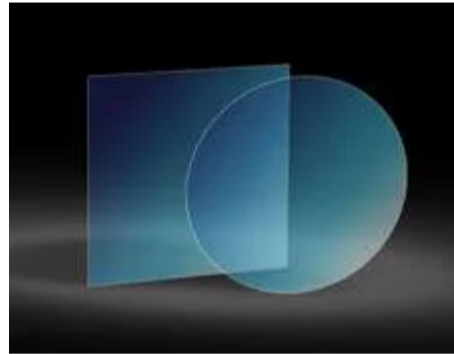
### Related Products



Clear Optical Cast Plastic Windows



Acrylic (PMMA) Plastic Windows



SCHOTT D263® T eco Windows



ISO 5 (Class 100) Anti-Static Fingercots

### Frequently Purchased Together



#55-444 - 60° Diffusing Angle 8" x 8" Unmounted Sheet  
₹51,959

Qty



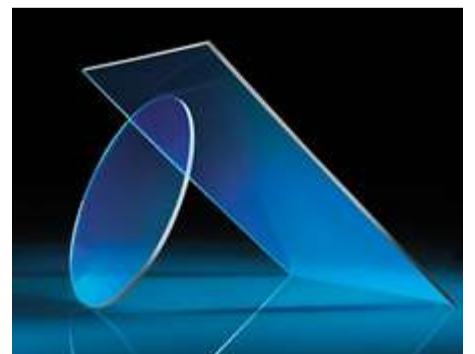
#38-276 - 9.0mm Dia. x 10mm FL, VIS 0° Coated, Plano-Convex Lens  
₹4,516

Qty



#43-368 - 20mm Dia., 2mm Thick, Uncoated, Sapphire Window  
₹8,496

Qty



#46-629 - 10" x 12" Size, Plastic Optical Window  
₹16,546

Qty



# Resources

## Media Type

- Application Note
- Technical Tool
- Video
- Glossary
- FAQ

APPLICATION NOTE

Anti-Reflection  
(AR) Coatings

APPLICATION NOTE

An  
Introduction to  
Optical  
Coatings

TECHNICAL TOOL

Beam  
Displacement  
Calculator

APPLICATION NOTE

Understanding  
Optical  
Windows

VIDEO

Optical  
Windows  
Review

APPLICATION NOTE

Optical Glass

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