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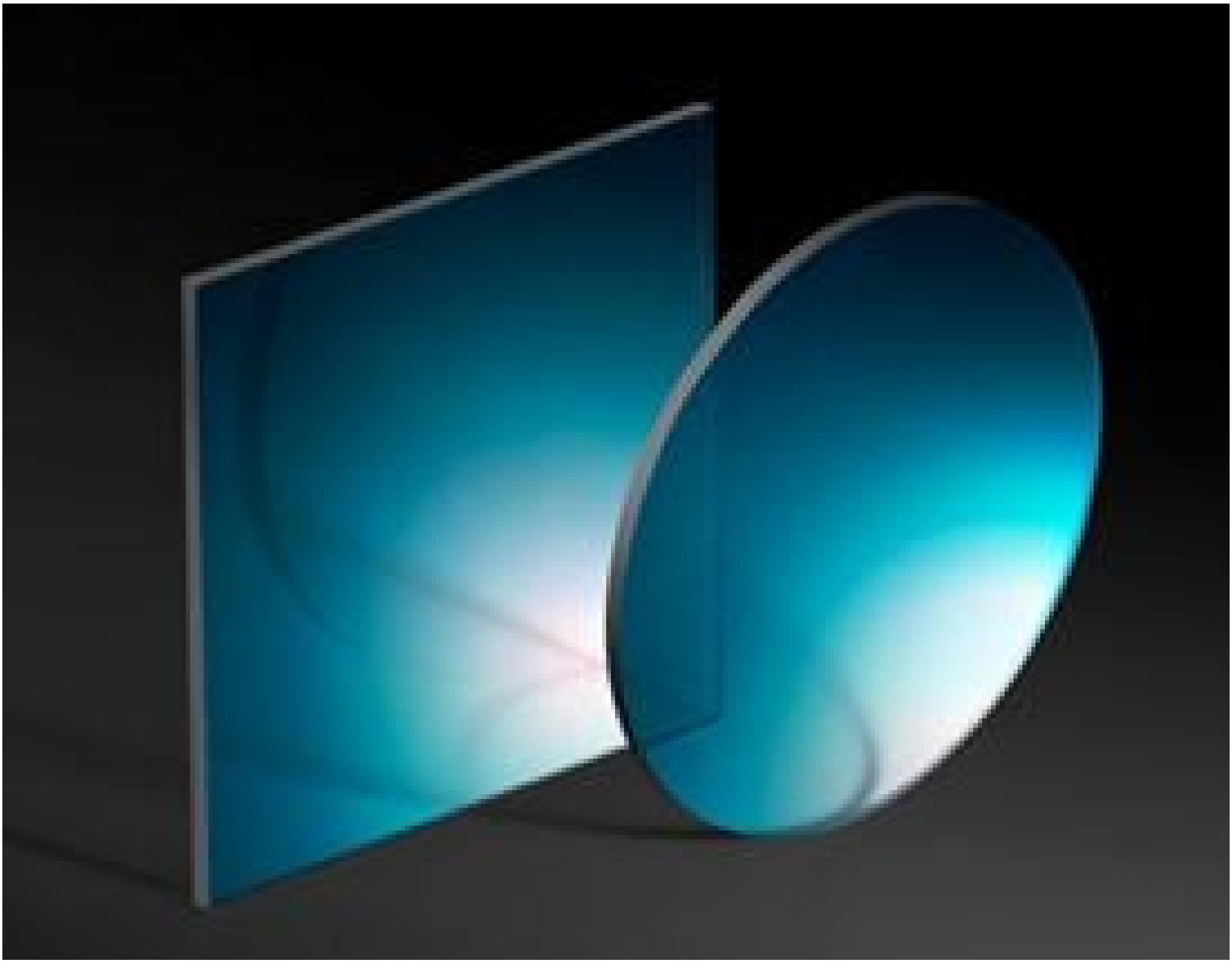
1" Diameter, BBAR (400-1000nm) Coated, Plastic Polycarbonate Window



Stock **#21-351** **20+ In Stock**

- 1 + **C$61**.60

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Volume Pricing	
Qty 1-5	**C$61.60** each
Qty 6-25	**C$49.00** each
Qty 26-49	**C$46.20** each
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Product Downloads

General

Type:

Protective Window

Physical & Mechanical Properties

Clear Aperture CA (mm):

22.86

Diameter (inches):

1

Diameter (mm):
25.40 ±0.254

Thickness (inches):
0.06

Thickness (mm):
1.52 ±0.1

Bevel:
Protective as needed

Edges:
Smooth, Machined

Optical Properties

Coating:
BBAR (400-1000nm)

Substrate:
Polycarbonate

Index of Refraction (n_d):
1.585

Abbe Number (v_d):
34

Coating Specification:
R_{avg} ≤1.25% @ 400 - 1000nm

Wavelength Range (nm):
400 - 1000

Material Properties

Coefficient of Thermal Expansion CTE (10^{-6}/°C):
68

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

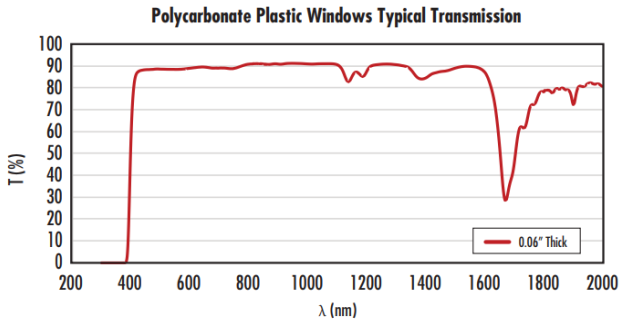
Reach 235:
Compliant

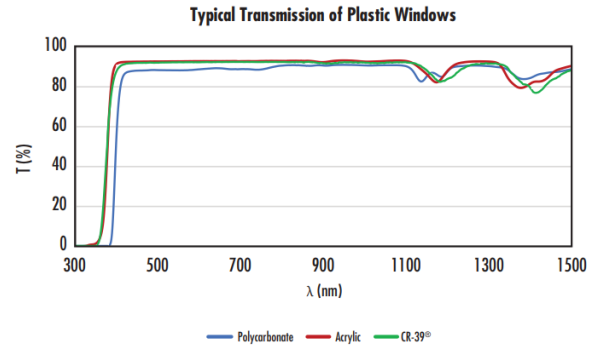
Product Details

- 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





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