

10" x 12" Size, Plastic Optical Window



Stock **#46-629** [CONTACT US](#)

- 1 + £131^{.20}

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Volume Pricing	
Qty 1-49	£131.20 each
Qty 50-99	£118.40 each
Qty 100-199	£111.20 each
Need More?	Request Quote

! Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Protective Window **Type:**

Plastic **Type of Window:**

Physical & Mechanical Properties

10 x 12.00 **Dimensions (inches):**

254.00 x 304.80	Dimensions (mm):
1.50 ±0.20	Thickness (mm):
304.80	Length (mm):
254.00	Width (mm):
±0.3	Dimensional Tolerance (mm):

Optical Properties

Uncoated	Coating:
Thermoset ADC (CR-39®)	Substrate: <input type="checkbox"/>
1.501	Index of Refraction (n_d):
>90 (typical)	Transmission (%):
59.2	Abbe Number (v_d):
400 - 1500	Wavelength Range (nm):

Material Properties

1.320	Density (g/cm³):
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Environmental & Durability Factors

100 Continuous, 130 for 1 hour	Operating Temperature (°C):
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Regulatory Compliance

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

Need different specs or modifications?

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

Product Details

- Lightweight Alternative to Glass Windows
- Excellent Thermal and Chemical Resistance
- Higher Transmission than Similar Transparent Plastics

Clear Optical Cast Plastic Windows are a lightweight and durable option compared to a glass alternative. These windows have a high transmission and low haze, have 25 - 50 times greater abrasion resistance, and are resistant to all types of chemicals and solvents (acetone, acids, alkali and alcohols). Due to their construction, these windows are able to be drilled using a carbide bit for various mounting needs. Clear Optical Cast Plastic Windows are uncoated, and are available in circular, rectangular, and square options.

Technical Information

Thermoset ADC (CR-39®)
Typical Transmission

