

1" Diameter, Uncoated Plastic Polycarbonate Window



Stock **#19-627** 20+ In Stock

-

1

+

€22^{.00}

ADD TO CART

Volume Pricing	
Qty 1-5	€22,00 each
Qty 6-24	€17,00 each
Qty 25-49	€16,00 each
Need More?	Request Quote

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Protective Window

Type:

Physical & Mechanical Properties

22.86

Clear Aperture CA (mm):

1

Diameter (inches):

25.40 ±0.254	Diameter (mm):
0.06	Thickness (inches):
1.52 ±0.1	Thickness (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 /°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

