print-screen-header

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All Products / Optics / Windows and Diffusers / Specialty Windows / Infrared (IR) Material Windows

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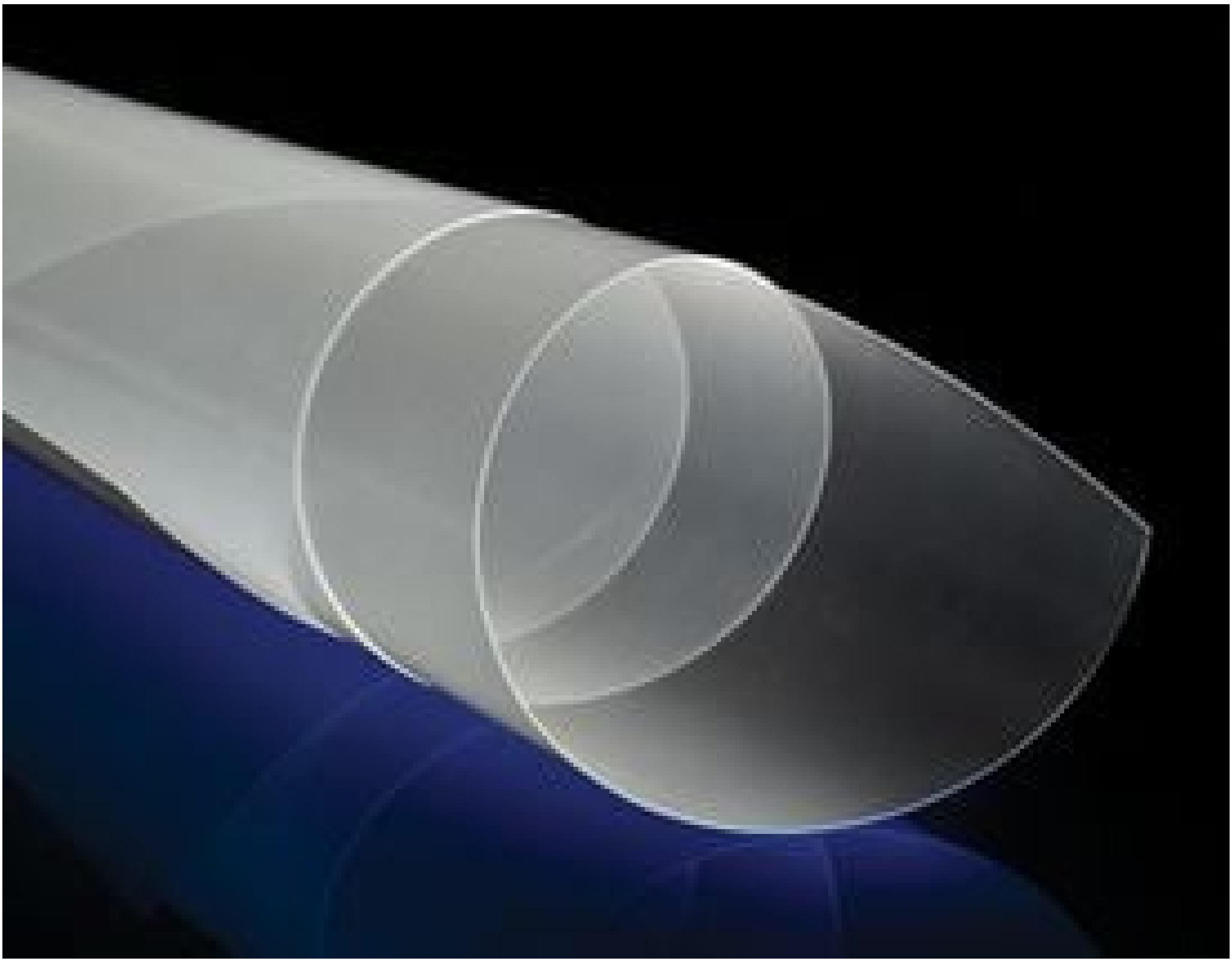
24" x 24" White, IR Material Window



Stock **#88-611** 3-4 DAYS

- 1 + €107.00

ADD TO CART

Qty 1-5
€107,00

Qty 6+
€96,00

Volume Pricing
Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Type:
Protective Window

Physical & Mechanical Properties

Dimensions (mm):
609.60 x 609.60

Dimensions (inches):
24.00 x 24.00

Thickness (mm):
0.38

Thickness (inches):
0.015

Young's Modulus (GPa):
0.40 - 1.24

Optical Properties

Coating:
Uncoated

Color:
White

Index of Refraction (n_d):
Visible (Sodium D Line): 1.52
8-14µm: 1.53
15µm+: 1.48

Substrate:
Polymer Film

Wavelength Range (nm):
8000 - 14000

Material Properties

Coefficient of Thermal Expansion CTE (10^{-6}/°C):
11 - 13

Flexural Modulus (psi):
(100-260) x 10^3

Shore Hardness:
D60-70

Environmental & Durability Factors

Operating Temperature (°C):
100 (Max.)

Regulatory Compliance

RoHS 2015:
Compliant

Reach 224:
Compliant

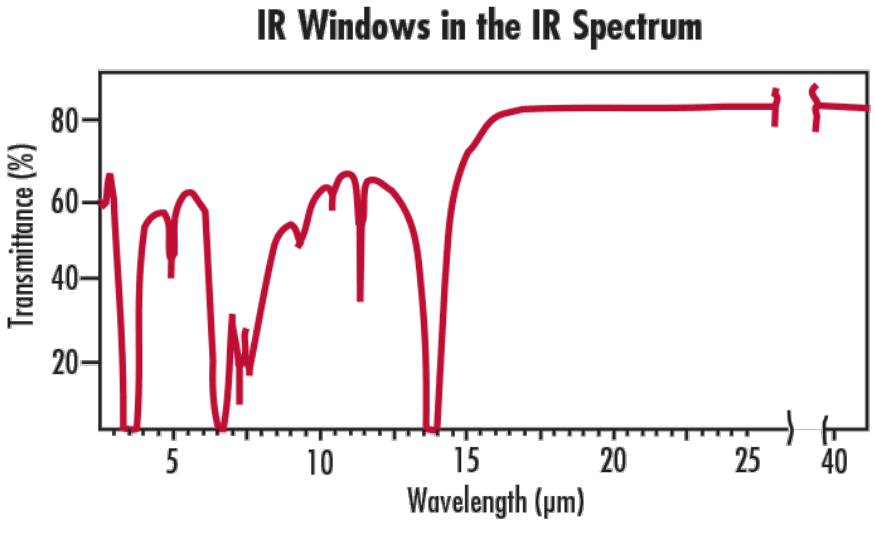
Certificate of Conformance:
View

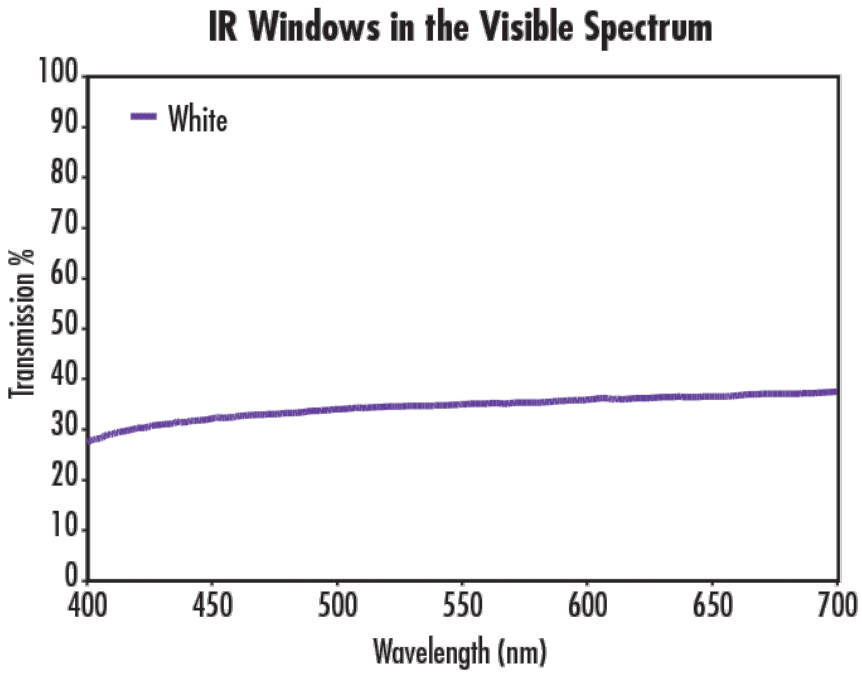
PRODUCT DETAILS

- Excellent Optics for Infrared Detectors
- Minimal Absorption Loss from 8 - 14µm
- Easily Cut to Size

Infrared (IR) Material Windows are molded in an extremely thin and flexible 0.38mm thickness, milky white plastic. The thin design consistent across the window surface, large apertures, and minimal thermal expansion coupled with low absorption from 8 - 14µm make them ideal for a range of infrared applications.

TECHNICAL INFORMATION





Effect of Sunlight	None to Slight
Effect of Ultraviolet	UV Stabilized
Effect of Weak Acids	Very Little
Effect of Strong Acids	Attacked by Oxidizing Acids
Effect of Weak Alkalies	Very Little
Effect of Strong Alkalies	Very Little
Effect of Organic Solvents	Little below 60°C (140°F)