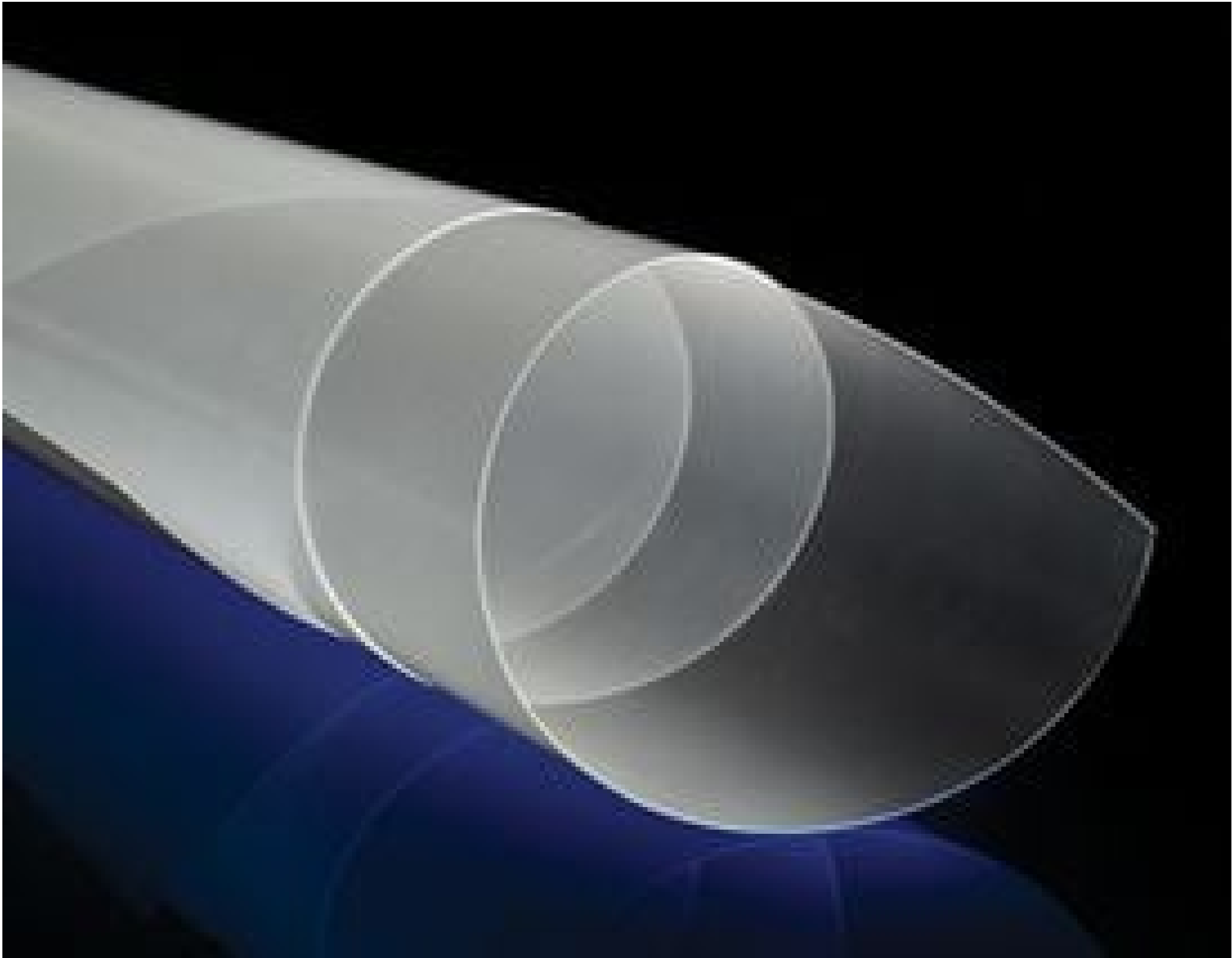


6" x 6" Translucent, IR Material Window



Stock **#32-806** **17 In Stock**

-

1

+

S\$43³¹

ADD TO CART

Volume Pricing	
Qty 1-5	S\$43.31 each
Qty 6-25	S\$39.20 each
Qty 26-99	S\$36.97 each
Need More?	Request Quote

Product Downloads

SPECIFICATIONS

General

Protective Window

Type:

Physical & Mechanical Properties	
152.40 x 152.40	Dimensions (mm):
6.00 x 6.00	Dimensions (inches):
0.38	Thickness (mm):
0.015	Thickness (inches):
0.40 - 1.24	Young's Modulus (GPa):
Optical Properties	
Uncoated	Coating:
Translucent	Color:
Visible (Sodium D Line): 1.52 8-14µm: 1.53 15µm+: 1.48	Index of Refraction (n _d):
Polymer Film	Substrate: ☐
8000 - 14000	Wavelength Range (nm):
Material Properties	
11 - 13	Coefficient of Thermal Expansion CTE (10 ⁻⁶ /°C):
(100-260) x 10 ³	Flexural Modulus (psi):
D60-70	Shore Hardness:
Environmental & Durability Factors	
100 (Max)	Operating Temperature (°C):
Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 242:

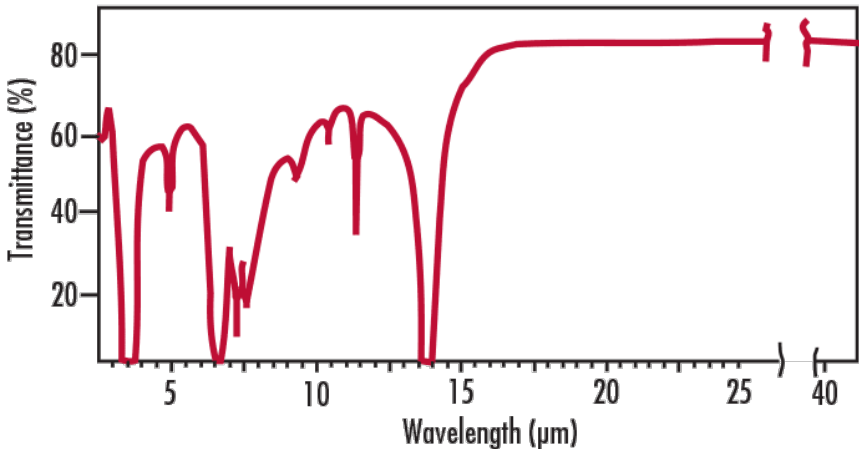
PRODUCT DETAILS

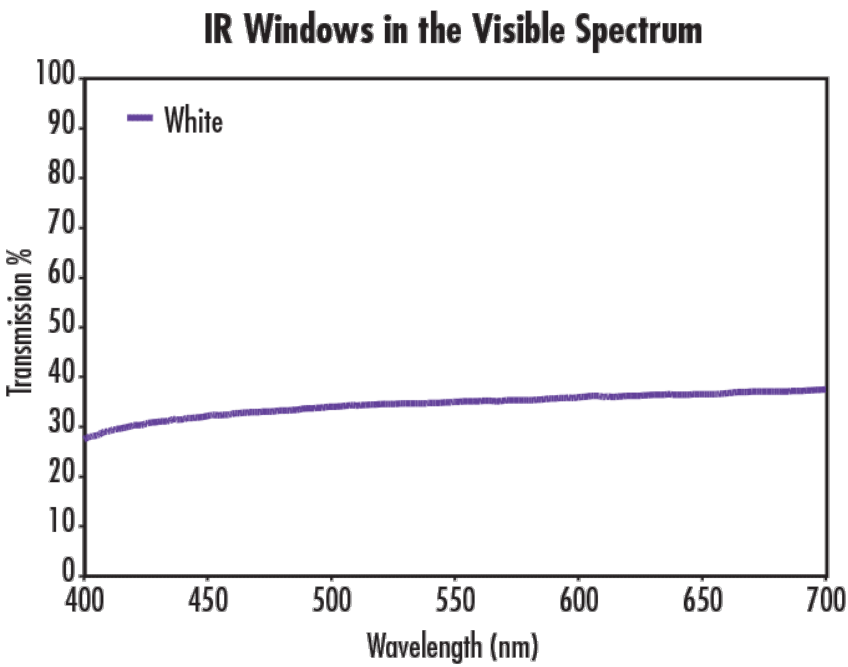
- Excellent Optics for Infrared Detectors
- Mnimal Absorption Loss from 8 - 14µm
- Easily Cut to Size

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

IR Windows in the IR Spectrum





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)