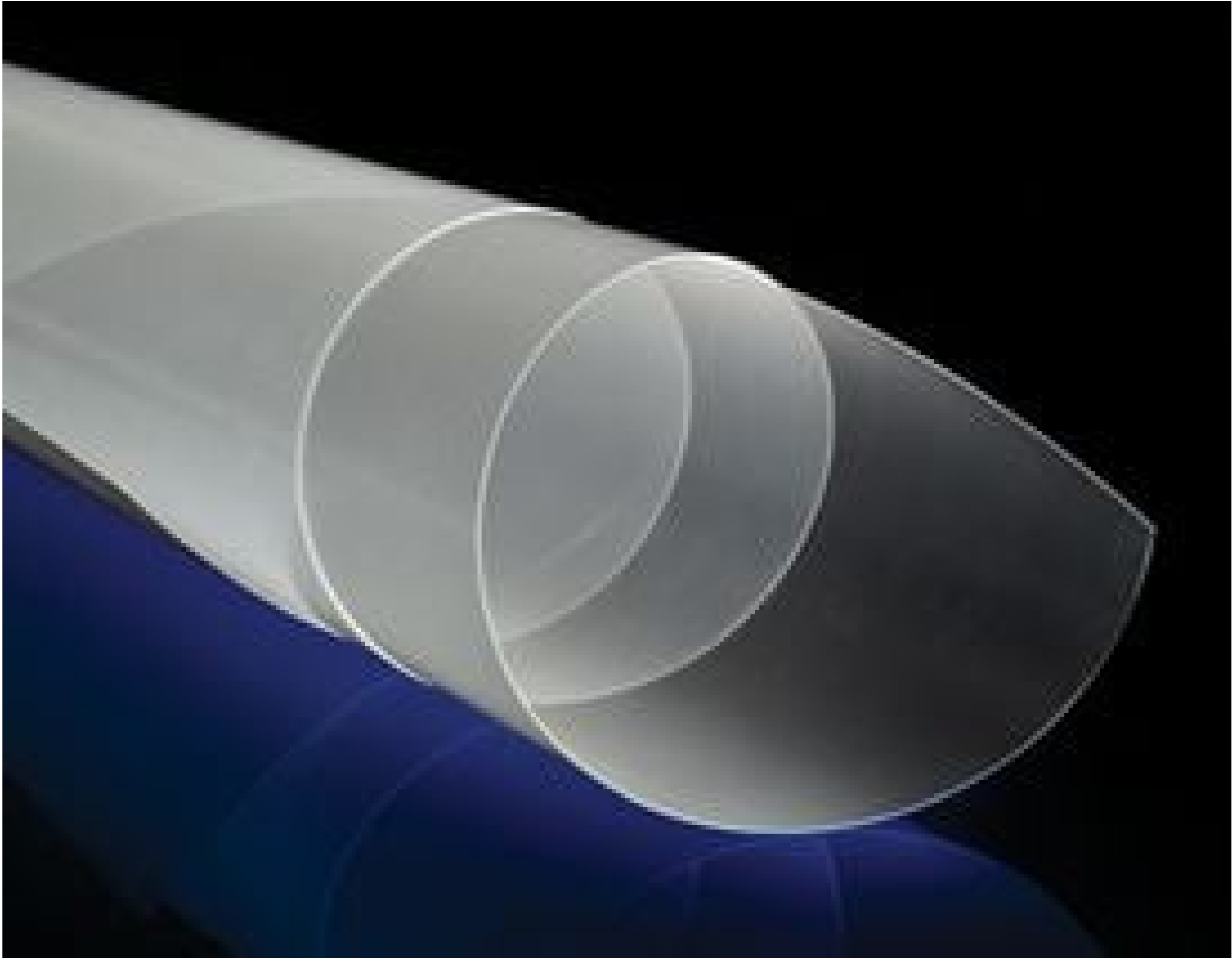


12" x 12" Translucent, IR Material Window



Stock **#32-808** **8 In Stock**

-

1

+

€88⁵⁰

ADD TO CART

Volume Pricing	
Qty 1-5	€88,50 each
Qty 6-25	€80,00 each
Qty 26-99	€75,00 each
Need More?	Request Quote

i Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Protective Window

Physical & Mechanical Properties

Dimensions (inches):

12.00 x 12.00	Dimensions (mm):
304.80 x 304.80	
0.015	Thickness (inches):
0.38	Thickness (mm):
304.80	Length (mm):
304.80	Width (mm):

Young's Modulus (GPa):	
0.40 - 1.24	

Optical Properties

Coating:	
Uncoated	
Color:	
Translucent	

Substrate: ☐	
Polymer Film	
Index of Refraction (n _d):	
Visible (Sodium D Line): 1.52	
8-14µm: 1.53	
15µm+: 1.48	

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

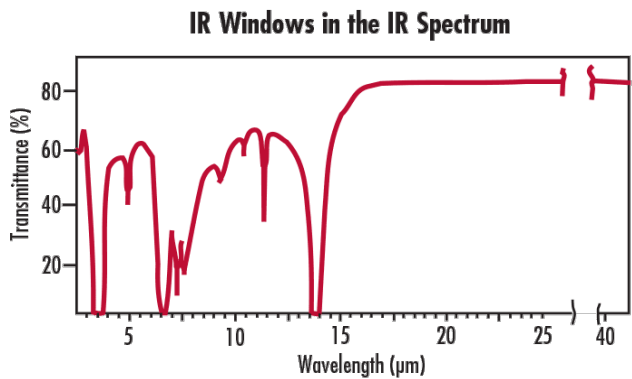
RoHS 2015:	
Compliant	
Certificate of Conformance:	
View	
Reach 242:	
Compliant	

Product Details

- Excellent Optics for Infrared Detectors
- Mnnimal 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)