

# 20mm Dia., 2mm Thick, Uncoated, Suprasil Window



Suprasil® Windows

Stock #15-470 **2 In Stock**







1 MRP ₹15,639

Price inclusive of all taxes

**ADD TO CART**

Volume Pricing	
Qty 1-5	₹15,639 each
Qty 6-25	₹12,510 each
Qty 26-49	₹11,703 each
Need More?	<a href="#">Request Quote</a>

Product Downloads

-  STEP:step
-  PDF Drawing:pdf
-  IGES:igs
-  eDrawing:eprt
-  EO Spec Sheet
-  [Download All](#)

## General

<b>Type:</b> Protective Window	<b>Type of Window:</b> Glass
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## Physical & Mechanical Properties

<b>Clear Aperture CA (mm):</b> 18.00	<b>Diameter (mm):</b> 20.00 +0.00/-0.10
<b>Thickness (mm):</b> 2.00 ±0.10	<b>Bevel:</b> Protective as needed
<b>Clear Aperture (%):</b> 90	<b>Edges:</b> Fine Ground
<b>Parallelism (arcsec):</b> <5	<b>Poisson's Ratio:</b> 0.17
<b>Young's Modulus (GPa):</b> 70	<b>Knoop Hardness (kg/mm<sup>2</sup>):</b> 591.00

## Optical Properties

<b>Coating:</b> Uncoated	<b>Substrate:</b> <sup>①</sup> Suprasil® 300
<b>Index of Refraction (n<sub>d</sub>):</b> 1.459	<b>Surface Quality:</b> 10-5
<b>Transmitted Wavefront, P-V:</b> λ/10	<b>Abbe Number (v<sub>d</sub>):</b> 67.8
<b>Wavelength Range (nm):</b> 200 - 3500	

## Material Properties

<b>Density (g/cm<sup>3</sup>):</b> 2.20	<b>Coefficient of Thermal Expansion CTE (10<sup>-6</sup>/°C):</b> 0.51 (0 to +100°C) 0.58 (0 to +200°C)
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## Regulatory Compliance

Certificate of Conformance: [View](#)

Country of Origin: Vietnam

Imported By: Edmund Optics India Private Limited  
267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038  
Phone: +91-80-6845 0000

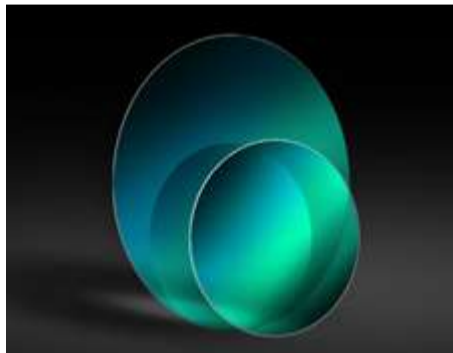
## Product Details

- High Transmission from 200 to 3500nm
- <1 ppm OH Content for Minimal Absorption Losses
- 10-5 Surface Quality and up to  $\lambda/10$  TWD

Suprasil® Windows are constructed from high purity synthetic fused silica and provide high, flat transmission from 200 to 3500nm. Suprasil has similar mechanical properties to fused silica with the added benefit of having no absorption bands in the visible or infrared spectra, resulting in no transmission loss between 1400 - 2700nm. Compared to Infrasil®, Suprasil has lower absorption with a <1 ppm OH content, causing negligible increase in temperature from bulk absorption when used with high powered lasers. Suprasil Windows are ideal for laser material processing, medical laser applications, or applications using Nd:doped or 2 micron lasers.

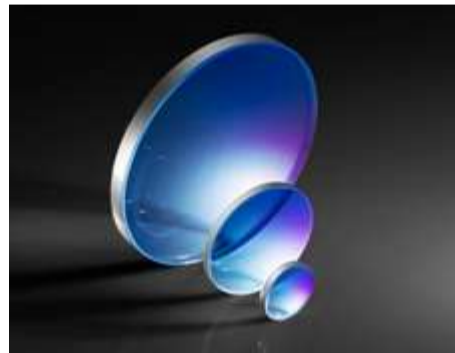
## Technical Information

### Frequently Purchased Together



#66-190 - 40mm Diameter Uncoated, Ultra-Thin N-BK7 Window  
₹16,446

Qty



#15-471 - 25mm Dia., 3mm Thick, Uncoated, Suprasil Window  
₹17,151

Qty



#15-472 - 50mm Dia., 3mm Thick, Uncoated, Suprasil Window  
₹39,549

Qty

















#20-536 - 40mm Dia., 2mm Thick, Uncoated  $\lambda/4$  N-BK7 Window  
₹10,594

Qty

### Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
<a href="#">MORE+</a>	20.0mm Optic Dia., Optic Mount	Fixed		#64-559	₹3,305 <a href="#">Request Quote</a>	14 In Stock <input type="text" value="1"/>

	Title	Type	Compare	Stock Number	Price	Buy
 	5.0 - 25.0mm Optic Height, Metric Bar- Type Optic Holder	Fixed		#55-529	₹10,291 Request Quote	20+ In Stock <input type="text" value="1"/> 
 	7.0 - 40.0 Optic Height, English Bar- Type Optic Holder	Fixed		#03-676	₹10,694 Request Quote	2 In Stock <input type="text" value="1"/> 
 	10.0 - 60.0mm Optic Height, Metric Bar-Type Optic Holder	Fixed		#55-530	₹10,896 Request Quote	CONTACT US <input type="text" value="1"/> 
 	7.0 - 67.0 Optic Height, English Bar- Type Optic Holder	Fixed		#03-669	₹11,703 Request Quote	6 In Stock <input type="text" value="1"/> 
 	8.0 - 118.0 Optic Height, English Bar- Type Optic Holder	Fixed		#03-666	₹12,107 Request Quote	10 In Stock <input type="text" value="1"/> 
 	4.0 - 36.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-077	₹15,840 Request Quote	6 In Stock <input type="text" value="1"/> 
 	5.0 - 100.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-078	₹41,365 Request Quote	CONTACT US <input type="text" value="1"/> 

Check out our full selection of mounts [here](#).

## Resources

### Media Type

- Application Note
- Technical Tool
- Video
- Glossary
- FAQ

APPLICATION NOTE

Anti-Reflection  
(AR) Coatings

APPLICATION NOTE

An  
Introduction to  
Optical  
Coatings

TECHNICAL TOOL

Beam  
Displacement  
Calculator

APPLICATION NOTE

Understanding  
Optical  
Windows

VIDEO

Optical  
Windows  
Review

APPLICATION NOTE

Optical Glass

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