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10mm Dia., 1.5mm Thick, Uncoated, Suprasil Window



Suprasil® Windows

Stock #15-468 **2 In Stock**

⊖ 1 ⊕ €125.⁰⁰

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Volume Pricing

Qty 1-5	€125,00 each
Qty 6-25	€100,00 each
Qty 26-49	€94,00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Protective Window **Type:**

Glass **Type of Window:**

Physical & Mechanical Properties

Clear Aperture CA (mm):

9.00	Diameter (mm):
10.00 +0.00/-0.10	
	Thickness (mm):
1.50 ±0.10	
	Bevel:
Protective as needed	
	Clear Aperture (%):
90	
	Edges:
Fine Ground	
	Parallelism (arcsec):
<5	
	Poisson's Ratio:
0.17	
	Young's Modulus (GPa):
70	
	Knoop Hardness (kg/mm²):
591.00	

Optical Properties

	Coating:
Uncoated	
	Substrate: <input type="checkbox"/>
Suprasil® 300	
	Index of Refraction (n_d):
1.459	
	Surface Quality:
10-5	
	Transmitted Wavefront, P-V:
λ/10	
	Abbe Number (ν_d):
67.8	
	Wavelength Range (nm):
200 - 3500	

Material Properties

	Density (g/cm³):
2.20	
	Coefficient of Thermal Expansion CTE (10⁻⁶/°C):
0.51 (0 to +100°C)	
0.58 (0 to +200°C)	

Regulatory Compliance

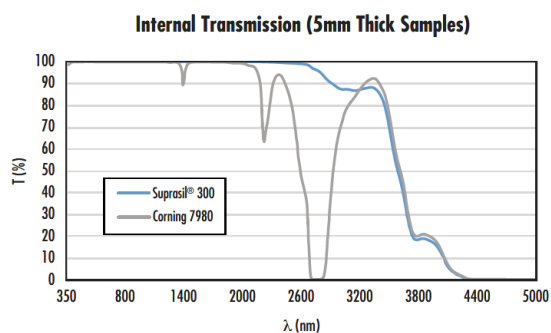
	Certificate of Conformance:
View	

Product Details

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



Compatible Mounts

