

[See all 36 Products in Family](#)

75mm Dia., 3mm Thick, Uncoated, Suprasil Window



Suprasil® Windows

Stock **#89-598** NEW [CONTACT US](#)

1 MRP ₹77,508

Price inclusive of all taxes

[ADD TO CART](#)

Volume Pricing	
Qty 1-5	₹77,508 each
Qty 6-25	₹62,007 each
Qty 26-49	₹58,131 each
Need More?	Request Quote

Product Downloads

General

Protective Window **Type:**

Physical & Mechanical Properties

67.5 **Clear Aperture CA (mm):**

Diameter (mm):

75.00 +0/-0.2

3.00 ±0.10 **Thickness (mm):**

Protective as needed **Bevel:**

90 **Clear Aperture (%):**

Fine Ground **Edges:**

<5 **Parallelism (arcsec):**

0.17 **Poisson's Ratio:**

70 **Young's Modulus (GPa):**

591.00 **Knoop Hardness (kg/mm²):**

Optical Properties

Uncoated **Coating:**

Suprasil® 300 **Substrate:**

1.459 **Index of Refraction (n_d):**

20-10 **Surface Quality:**

λ/10 per inch **Transmitted Wavefront, P-V:**

67.8 **Abbe Number (v_d):**

200 - 3500 **Wavelength Range (nm):**

Material Properties

2.2 **Density (g/cm³):**

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

Regulatory Compliance

Compliant **RoHS 2015:**

View **Certificate of Conformance:**

Vietnam **Country of Origin:**

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 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

Internal Transmission (5mm Thick Samples)

