Suprasil® ProPlate

Engineered for broadband performance



Suprasil® ProPlate is a material grade based on a new direct production route for plate geometry.

It has a good optical homogeneity ≤ 5 ppm PV for the full CA. Subapertures will give a lower value depending on the diameter.

Its large size and economical price also offer effective solutions for a wide range of geometries and applications.

Possible Applications

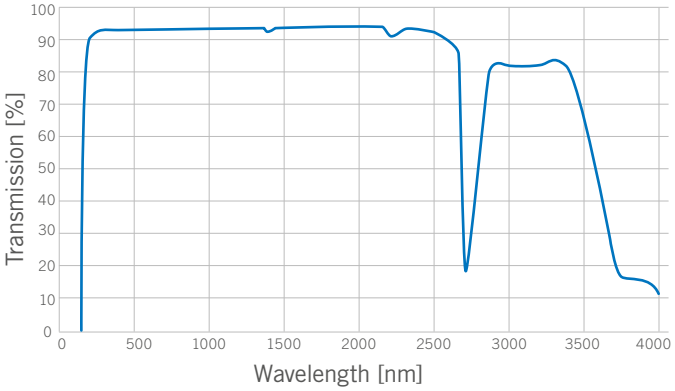
- UV-VIS Laser applications
- Imaging Optics
- Large size mirrors

Physical Properties

Length	1050 mm + 10 mm / – 50 mm
Width	505 mm + 10 mm / – 5 mm
Thickness (at 80% width)	50 mm ± 5 mm
Clear Aperture (CA)	970 mm × 470 mm
Homogeneity	5 ppm PV
Stress Induced Birefringence (SIB) in CA	5 nm/cm
Bubbles and Inclusions (10mm from each side)	no more than 6 bubbles in total; bubbles <0.1 mm not counted

Typical Transmission

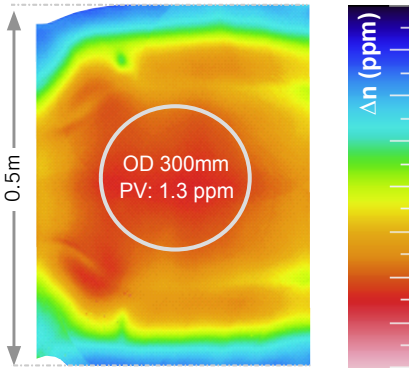
including reflection losses



Wavelength	Absorption [1/cm]	Internal Transmission
k_{193}	5×10^{-3}	98,9% / cm
k_{248}	1×10^{-3}	99,8% / cm
k_{266}	$1,5 \times 10^{-3}$	99,7% / cm

base 10

Typical Optical Homogeneity



Ihre Schweizer Vertretung:

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08/2026