

Suprasil® SmartPlate 150 – 50

The smart way to plate-like ingot

Suprasil® SmartPlate 150 is a new material grade based on a new direct production route for plate geometry.

This product, made from synthetic fused silica, with its OH content ranging up to ~150 ppm, is best suited for demanding laser applications at 1064 nm.

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

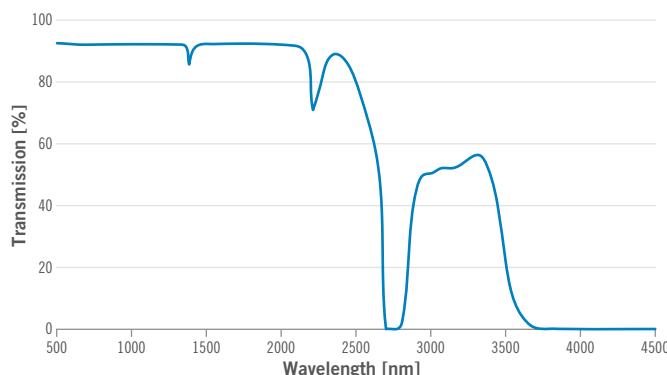
Possible applications

- Laser cutting
- Laser welding
- Large size mirrors



Optical Properties

Typical Transmission



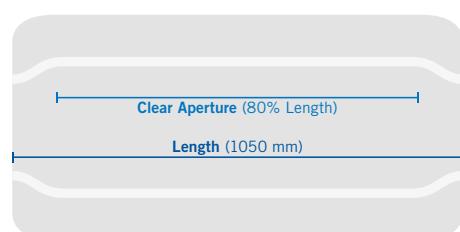
Physical Properties

Geometry

Length	1050.00 mm + 20.00 mm / – 50.00 mm
Width	505.00 mm ± 20.00 mm
Thickness (at 80% width)	50.00 mm ± 10.00 mm
Clear Aperture (CA)	80% of width / length / thickness
Homogeneity	not specified
Stress Induced Birefringence (SIB)	5 nm/cm in CA
Bubbles and Inclusions in CA	no more than 6 bubbles in total. Bubbles <0.1 mm not counted.

Dimensions

Length, Clear Aperture



Width, Thickness, Clear Aperture



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