

FUSED SILICA

OHARA SK-1300

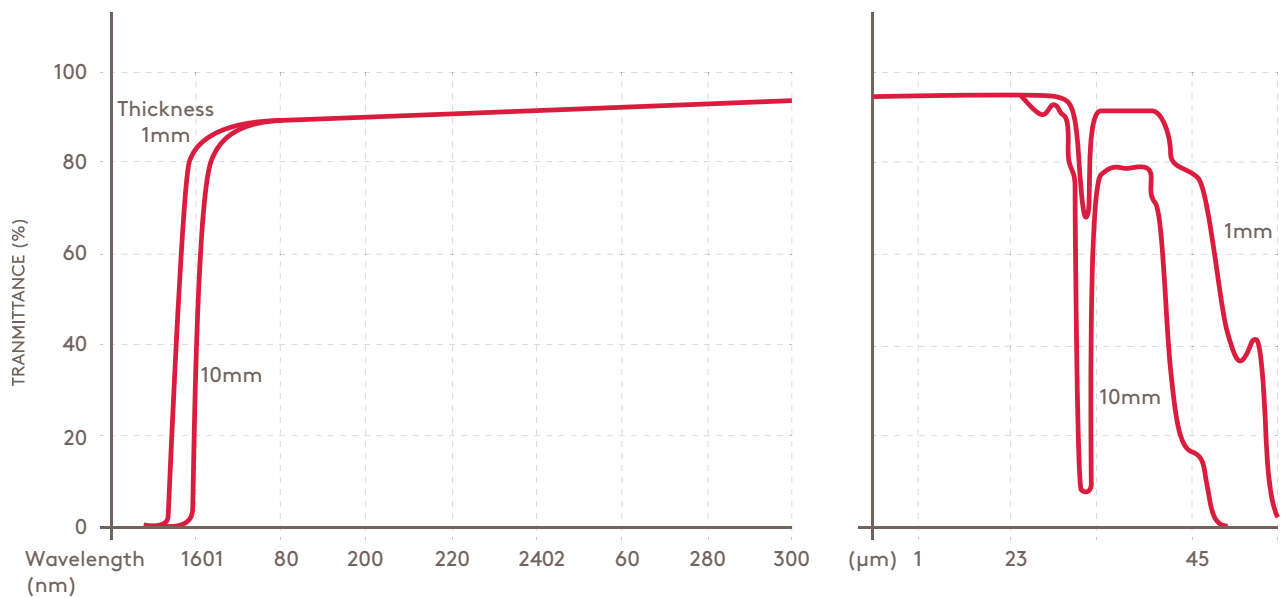
Physical properties

SPECIFIC DENSITY	2,20 g/cm ³
COMPOSITION	SiO ₂

Optical properties

REFRACTION INDEX

1.45 nm (587nm)



Thermal properties

STRAIN POINT	°C	1060
ANNEALING POINT	°C	1160
SOFTENING POINT	°C	1700
EXPANSION	cm/cm°C	5,5 x 10 ⁻⁷
MAX WORKING TEMPERATURE	°C	1500

Mechanical properties

HARDNESS (DURETÉ)	vickers	950
POISSON'S RATIO		0,17
YOUNG'S MODULUS	kg/mm ²	7280
COMPRESSIVE STRENGTH	kg/mm ²	115
TENSILE STRENGTH	kg/mm ²	5,6
BENDING STRENGTH	kg/mm ²	7

Chemical properties

ACID RESISTANCE LOSS	mg/cm ²	0.01
ALKALI RESISTANCE LOSS	mg/cm ²	1,35
WATER RESISTANCE LOSS	mg/cm ²	0,0001