

Fused Silica Sheet

Formula: SiO₂

Thickness: 0.635mm

Length 1: 15mm

Length 2: 15mm

CAS Number: 7631-86-9

UOM Code: 021-868-94

SKU: 1000002656-group

Product Code: SI82-SH-000163

Material Properties for Glasses

Chemical Resistance

Element	Value
Acids - concentrated	Good
Acids - dilute	Good
Alkalis	Fair
Halogens	Good
Metals	Fair

Magnetic Properties

Element	Value
Maximum permeability	365-2500nm
Coercivity - as cast(A m ⁻¹)	1.46
Remanence ratio(Br/Bs)	1715
Saturation flux density(T)	3.8

Physical Properties

Element	Value
Apparent porosity(%)	0
Water absorption - saturation(%)	0
Density(gcm ⁻³)	2.18

Thermal Properties

Element	Value
Upper continuous use temperature(C)	900-1200
Specific heat(J K ⁻¹ kg ⁻¹)	750@25°C
Thermal conductivity(W m ⁻¹ K ⁻¹)	1.2-1.4@20°C
Coefficient of thermal expansion(x10 ⁻⁶ K ⁻¹)	0.5-0.75@20-1000°C

Mechanical Properties

Element	Value
Tensile modulus(GPa)	65-75
Hardness - Vickers(kgf mm ⁻²)	490

Electrical Properties

Element	Value
Volume resistivity(Ohmcm)	10 ¹⁷ @25