



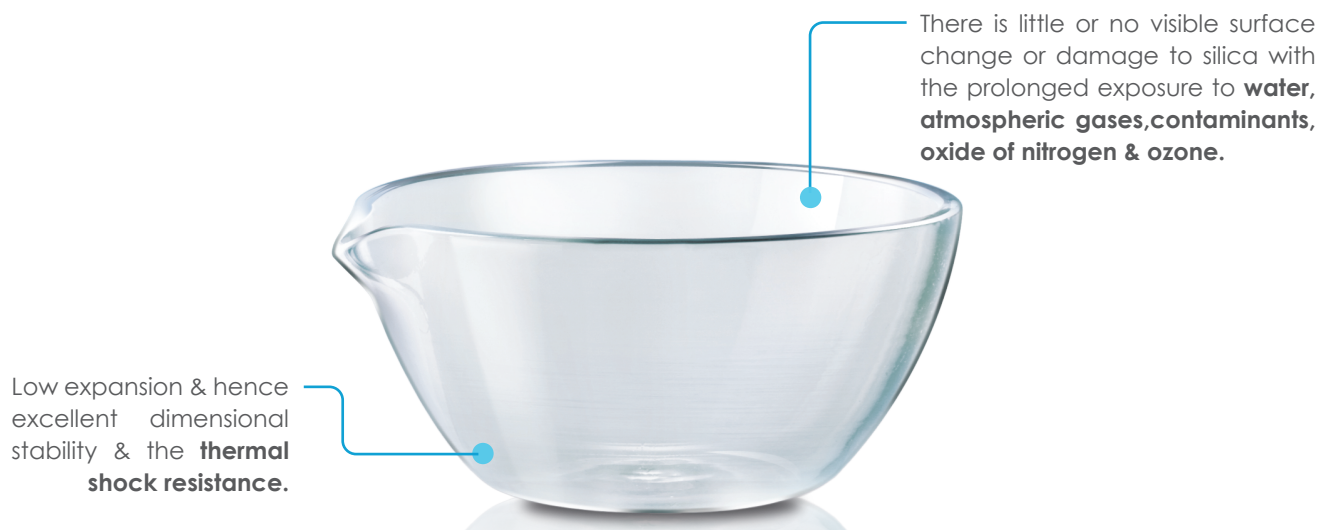
Quartzware

Built to Withstand the Heat

Our high-quality quartzware is designed for the most demanding laboratory and industrial applications. With exceptional thermal stability, chemical resistance, & optical clarity, it is ideal for use in high temperature environments & processes requiring ultra-high purity.

What is Quartz ware

Borosil Scientific Fused Silica 99.95% SiO_2 surpassed all of the desirable chemical & weathering durability properties which usually associated with opaque Silica ware. We manufacture as per IS & BS standards.



Top Quartzware products



Resistant to chemical attack

Virtually unaffected by sulphuric nitric & hydrochloric acids. The Hot alkalies & certain metal oxides react on silica. It is attacked by hydrofluoric acid. At high temperature, it is also attacked by phosphoric acid.

Continous use of fused silica above 1000 C leads to devitrification with formation of crystobalite which is a crystalline phase & will lead to breakage on repeated use. For accurate & long use, it is advisable to wash the article in distilled water & alcohol to remove trace impurities.

Heating fused quartz to evevated temperature which causes SiO₂, to undergo the dissociation. Consequently, when flame working fused quartz, there is a brand of haze or smoke which forms just outside the intensely heated region. This haze presumably forms beacuse the SiO₂ recombines with oxygen from the air (& perhaps water) & condenses as extremely small particles of the amorphous SiO₂.

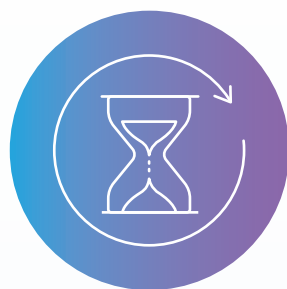
Co-efficient of expansion 0 C to 800 C	5.5 X 10 ⁻⁶ cm / cm / °C
Softening Point	1685°C
Annealing Point	1200°C
Strain Point	1120°C
Operating Temp	1050°C
Electrical resistivity (at 350 C)	7 X 10 ⁷ ohm cm



Photostability Study



Perfect finish



Durability



CIN : U74999MH1991PLC061851

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