



Quartz Wool

Product Catalogue

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Working

The random asymmetric arrangement of fragile and flexible fibers of fused quartz is termed Quartz wool. It is also known as silica wool. It is a milky white colour that looks like cotton wool. It is made up of highly pure SiO_2 and high-quality quartz crystals. Like fused quartz products, it also has similar properties. The maximum operating temperature of this is 1700 °C.

■ Product Series – TIQP

Properties:

- Fibre Diameter 1-3um
- Purity – > 99.9%
- Form Factor – Solid
- Colour – Milky White
- Molecular Formula – SiO_2
- Melting Point – 1690 °C
- Softening point: 1730 °C
- Density – 2.3 g/cm³
- Refractive Index – 1.6
- Thermal Conductivity – 1.38 W/m-K
- Electrical Resistivity – $71 \times 10^7 \Omega\text{-cm}$
- Heat Conductivity Coefficient - 0.01 - 0.029 kilocalorie/Mc
- Moisture Content – < 0.4%
- Appearance – White fluffy woolen



- Silica Content SiO_2 99.97%
- Moisture content: $\leq 0.4\%$ ignition loss $\leq 0.1\%$
- Strength of raw silk fracture $> 0.05 \text{ N/TEX}$
- Natural capacity degrees 5-6 KG / cubic
- Shape: slender, soft cotton
- Rigidity: 6 -7 ohms
- Electrical resistivity: 0
- Working Temperature - 1300°C - 1600°C (Max - Temp 1700°C)

Size Variant

25gm | 50gm | 100gm | 250gm | 500gm

■ Important Note:

Customization can be provided as per size or specifications.

Applications

- Insulator
- Filtration of corrosive fluid and gases
- Air pollution control
- Catalyst support
- Support bed in the distillation and HPLC column
- Filler for analytical instruments
- IR heat diffuser
- Acid filtration

How to use ?

■ Safety Instructions

- The protective gloves should be worn at the time of operation.
- Safety goggle is a must during handling.
- Do not touch any part of the skin while using.
- Store in a moisture-proof dry place.

■ Packaging

It is supplied in highly-protective moisture proof zipper. It is finally packed in Plastic bottle or corrugated box.

Handling

At the time of handling, the researcher should use powder-free non-latex gloves, which should be handled carefully. While experimenting, if researched use a wool with bare hands, the chances of contamination due to finger oil are very high. Therefore, it is advised to use nylon or polyester gloves.

Feel Free to Reach Us

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