

Product Data Sheet

Silica Sand — Filtration Grade

Description

Description	Filtration-grade silica sand with SiO ₂ min. 98%, washed and graded to tight size fractions for use as filter media in water treatment. Its uniform, sub-rounded grains provide effective filtration and backwash performance.
Applications	Used in water treatment filter beds, swimming pool filters, and effluent / wastewater treatment.
Used In	Water treatment, pool filters, effluent treatment

Key Benefits

- High silica content – SiO₂ min. 98%
- Washed and graded to tight, uniform size fractions
- Low clay content (max. 0.2%) for clean filtration
- Effective filtration and backwash performance
- Compliant grading for potable-water filter media

Chemical Analysis & Physical Data

Chemical Composition

Parameter	Specification
Silicon Dioxide (SiO ₂)	Min. 98.0%
Iron Oxide (Fe ₂ O ₃)	Max. 0.10%
Aluminium Oxide (Al ₂ O ₃)	Max. 0.80%
Titanium Dioxide (TiO ₂)	Max. 0.05%
Calcium + Magnesium Oxides (CaO + MgO)	Max. 0.50%
Loss on Ignition (LOI)	Max. 0.3%
Clay Content	Max. 0.2%

Physical Properties

Property	Specification
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Form	Washed, graded filter sand
Typical Sizing	0.5 – 1.0 mm / 1.0 – 2.0 mm (to spec)
Uniformity Coefficient	Typically ≤ 1.5
Moisture	Max. 0.5%
Origin	India

* Typical values; mine- and lot-dependent. Test methods available upon request.

Packaging

- 25 kg / 50 kg PP / HDPE woven bags
- 1 MT / 1.25 MT Jumbo Bags (FIBC)
- Loose in bulk for large industrial / export orders
- Custom packaging available on request.

Storage & Handling

- Store in a dry, covered area protected from moisture and contamination
- Avoid dust generation; provide adequate ventilation
- Keep away from contaminants that could affect purity
- Handle with appropriate PPE to control dust

Disclaimer: The information provided in this document is based on our current knowledge and is intended as a general guide. Specifications vary by mine and lot; figures are typical values. Ochnology Solution Pvt. Ltd. reserves the right to modify specifications without prior notice. Buyers are advised to conduct their own testing for specific applications.