



TECHNICAL DATA SHEET

Silica Sand

Product Information

Product Name	Silica Sand
Chemical Name	Silicon Dioxide
CAS Number	14808-60-7
HSC No.	2505
Chemical Formula	SiO ₂
Molecular Weight	60.08 g/mol

Description

Silica sand is a naturally occurring granular material composed of finely divided rock and mineral particles. It consists predominantly of silicon dioxide (quartz). It is one of the most common minerals on earth and is widely used in industrial applications.

Physical Properties

Appearance	White to off-white granular powder
Odor	Odorless
Specific Gravity	2.65
Melting Point	1710 deg C
Boiling Point	2230 deg C
pH (10% slurry)	6.0 - 7.5
Hardness (Mohs)	7
Solubility in Water	Insoluble

Chemical Composition

SiO₂	>= 99.0%
Fe₂O₃	<= 0.03%
Al₂O₃	<= 0.5%
CaO	<= 0.02%
MgO	<= 0.01%
Moisture	<= 0.5%



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Applications

- Glass manufacturing
- Foundry casting
- Construction and concrete
- Water filtration
- Oil and gas industry (proppant)
- Ceramics and refractories

Packaging

Available in 25 kg bags, 1000 kg big bags, or bulk supply as per customer requirements.

Storage

Store in dry, well-ventilated area. Keep containers closed when not in use. Protect from moisture.