

Silica Sand

CAS No.: 14808-60-7

High-purity industrial silica sand produced from washed and sized quartz deposits. Chemically inert with excellent grain strength, suitable for foundry, filtration, glass and oilfield applications.

Chemical Composition

Parameter	Typical Value	Specification / Range
SiO ₂ (Silicon Dioxide)	99.50 % min	99.50 – 99.90 %
Fe ₂ O ₃ (Iron Oxide)	0.030 % max	0.014 – 0.042 %
Al ₂ O ₃ (Alumina)	0.20 % max	0.06 – 0.24 %
TiO ₂ (Titanium Dioxide)	0.04 % max	0.016 – 0.035 %
Moisture	< 0.50 %	< 0.10 – 0.50 %
Loss on Ignition (LOI)	< 0.15 %	0.10 – 0.15 %

Physical Properties

Parameter	Typical Value	Specification / Range
AFS Grain Fineness No.	As per grade	20 – 60 AFS
Available Mesh Sizes	20 / 30 / 40 / 60	Standard grades
Specific Gravity	2.65 g/cm ³	Typical
Hardness	7 Mohs	Typical

Applications

- Foundry moulding & core sand
- Water & effluent filtration
- Glass manufacturing
- Hydraulic fracturing (frac sand)
- Abrasive blasting

Packaging: 50 kg HDPE bags / Jumbo bags / Bulk

The values shown are typical industry specifications sourced from published technical references. Actual values may vary by source and lot. It is the customer's responsibility to verify suitability for their specific application. This TDS does not constitute a warranty of any kind.