



**WORLD
ENTERPRISES**

Silica Sand

WWW.REFRACTORY-SILICA.COM

About Us



Your trusted industrial partner in high-quality minerals, engineered solutions, and industrial-grade marking, refractory and insulation products. With a global footprint and regional expertise, we are the official representatives of globally renowned brands across Saudi Arabia, Pakistan, Australia and the United States.

Fertilizers & Pesticides

Recommended Purity: 85% to 95% SiO₂

Uses: Acts as an inert filler or carrier; It helps in even distribution of nutrients and chemicals, improving effectiveness and handling..

What we offer: we provide premium-grade silica sand with up to 95% purity, tailored specifically for the needs of the pesticide and fertilizer industries. Our quality sand is used by leading multinational manufacturers, meeting stringent quality and consistency standards for large-scale formulations and exports.



Golf Course & Sports Field

Recommended Purity: 85% to 95% SiO₂

Uses: Silica sand is commonly used in golf courses and sports fields for topdressing, drainage enhancement, and turf stability. It helps maintain a firm, level, and healthy playing surface essential for professional turf care.

What we offer: We supply high-purity silica sand (95% SiO₂) with consistent grading, suitable for golf course construction and maintenance, as well as other sports turf applications. Our product meets the growing demand for reliable sand in landscaping and sports infrastructure projects.



Water Filtration & Industrial Application

Recommended Purity: 90%-98% SiO₂

Uses: Silica sand is a natural filter media used in water treatment plants. It removes impurities from drinking water, wastewater, and is used in various industrial processes for filtration and cleaning.

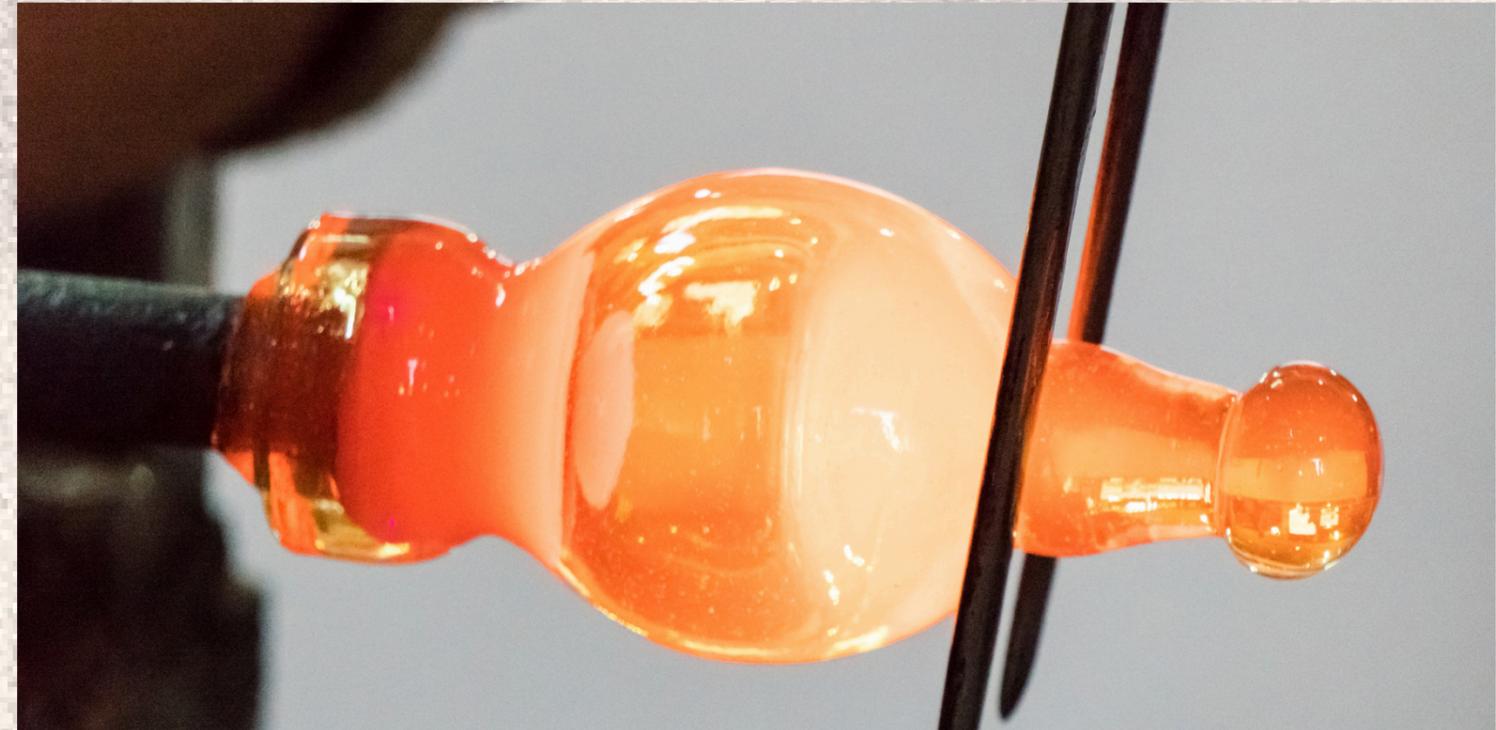
What We Offer: We supply high-purity silica sand (95%–98% SiO₂), available in custom grain sizes to meet the specific requirements, specifically graded for pressure filters, multimedia filtration units, and industrial processing systems.

Glass Manufacturing

Recommended Purity: 98%–99.9% SiO₂

Uses: Glass production, especially container glass, flat glass, and optical glass, requires ultra-high-purity silica to ensure clarity, strength, and thermal stability.

What We Offer: We supply silica sand with up to 99% SiO₂ purity, low in iron and other trace elements, ideal for glass manufacturers seeking consistent quality for high-performance and optical-grade glass products.



Refractory Applications

Recommended Purity: 96%–99% SiO₂

Uses: Refractory-grade silica is essential for producing bricks, molds, and lining materials used in kilns, furnaces, and foundries. It must be chemically stable and heat-resistant, with low levels of alumina, iron oxide, and alkalis.

What We Offer: We offer high-purity silica sand (Upto 99% SiO₂) with controlled impurities, meeting the demands of refractory manufacturers for reliable thermal resistance and structural strength in high-temperature environments.



Technical Data Sheet



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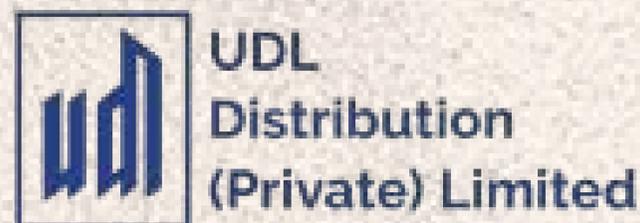
CHEMICAL PROPERTIES

PHYSICAL PROPERTIES

SILICA SAND			GRANULES		
MINERAL			PHYSICAL STATE		
SILICA	SiO₂	95.02%	COLOR		WHEATISH BROWN
ALUMINA	Al₂O₃	1.38%	BULK DENSITY	LOOSE	1450 - 1650 KG/M3
IRON OXIDE	Fe₂O₃	0.69%		COMPACT	1600 - 1800 KG/M3
CALCIUM OXIDE	CAO	1.40%	SPECIFIC GRAVITY		2.65
MAGNESIUM OXIDE	MGO	0.32	HARDNESS (MOH)		6.5-7
TITANIUM OXIDE	TIO₂	<0.2%	MELTING POINT		1710°C
POTASIUM OXIDE	K₂O	0.017%			
PH		7			
LOSS OF IGNITION		1.09%			



PROMINENT PARTNERS





LOCATIONS

SAUDI ARABIA



**PO BOX # 30282
YANBU, INDUSTRIAL CITY, KINGDOM OF SAUDIA ARABIA**

UNITED STATES



5900 BALCONES DRIVE STE 7928 AUSTIM, TEXAS 78731

PAKISTAN



SUITE # 417 , MASHRIQ CENTER , BLOCK-14 , GULSHAN-E-IQBAL , KARACHI , PAKISTAN.

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