

QUARTZ SAND FOR GLASS INDUSTRY

CAS number: 7631-86-9

Formula: SiO₂

All Union State standard 22551-77

Harmonize Commodity Code 2505100000

Chemical analysis

	Contents, % GUARANTEED		TYPICAL		
	VC-030-MO	VC-050-MO	VC-050-MO	VC-050-MOb	
SiO ₂ , min	98,5	98,5	98,5	> 99	
Fe ₂ O ₃ , min	0,034	0,054	0,054	At rates	
Al ₂ O ₃ , min	0,6	0,6	0,6	0,1-0,4	
Moisture, max	0,5	0,5	6,0	< од	
Residue on sieve №08, max	0,5	0,5	0,5	0,5	None
Undersize №01, max	5,0	5,0	5,0	< 1	

Physical description and properties:

Appearance: : White dry free running sand.

Grain shape: spherical, good rolled.

Grain color: colorless, white.

Storage: at unequipped spaces.

Terms of storage unlimited.

Refractory: 1645 1770 °C

Specific Gravity: 2650 kg/m³

Bulk density: 1500 kg/m³

Grain size: 63-600µm

Flashing point: Nonflammable

Solubility in Water: Insoluble

Angle of friction: 33°

Hardness: 7

Minerals Contents, %

Quartz: 99

Rutile: < 0,01

Zircon: < 0,01

Kyanite: < 0,02

Sieve Aperture (microns) Cumulative retained, %

+ 400 1

+ 315 7

+ 200 52

+ 160 90

+ 100 98

+ 63 99,8

Note: Quartz sand for glass industry can be produced as well with another marks (VC-040-MO, C-070-MO, B-100-MO, PB-150-MO).

End use: Quartz sand for glass industry is used in the production of commercial plate glass, automobile glass, glass stones, glass cases, glass fiber for special products, medical glass, glass articles for electronics, bottles, alarm glass and sodium silicate (accelerants).

Shipment:

Bulk in railway cars;

Soft containers (big bag) 1 t net.