



Landscapus INC
Products Manual

Solid Glass Beads For Oil Well Drilling

Glass beads has good chemical stability,perfect regularity,clean surface, transparent, solid soda lime glass material made, Good fluidity, no air bubbles, less consumption,the glass beads are chemically inert and do not effect the chemical characteristics of the mud system, so it can be used as drilling material in the oil field.

Chemical Composition(by weight):	Physical Properties:
Silica(SiO ₂) 62-75%	Specific Gravity 2.5g/cm ³
Aluminum Oxide (Al ₂ O ₃) 0-5%	Softening Temperature 650°C
Calcium Oxide (CaO) 6-17%	Coefficient of Thermal Expansion 90 x 10 ⁻⁷ /°C(30-300°C)
Magnesium Oxide(MgO) 1-5%	Strength 60,000 to 65,000 psi
Sodium Oxide(Na ₂ O) 10-20%	Vicker Hardness 756,250 pis
Iron Oxide (Fe ₂ O ₃) <0.8%	Refractive Index 1.50 (nD)
Roundness: >85%	Mohs Hardness: 5-6
Free Silica: No (0%)	Pb Heavy Metals: <50ppm
Particle Size Distribution	
<i>Mesh (USA)</i>	<i>Standard (Passing %)</i>
20	100
30	15-30
50	0-10



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