16/30

This is Tier 1, natural frac sand. Its sub-angular shape, monocrystalline structure, and ISO compliant sizing create a product with superior conductivity and crush resistance compared to other silica sands.

Closure Stress
Up to 6,000 psi
(41.4 MPa)

Maximum Recommended Temp
250°F
(121°C)

APPLICATIONS AND BENEFITS

- For use in oil and gas wells: enhanced conductivity and crush resistance to minimize production declines over time
- For use in industrial and recreation applications: spherical silica sand that is less abrasive and provides better drainage

PHYSICAL PROPERTIES

Mesh Size	Specific Gravity	Bulk Density lb/ft3	Bulk Density g/cm3	Roundness	Sphericity	Turbidity (NTU)	Crush Resistance K-Value
16/30	2.65	96.67	1.55	0.7	0.7	91	6K

CONDUCTIVITY (MD/FT), 50 HOURS @ 150 DEGREES F

Closure Stress	2,000	4,000	6,000	8,000
16/30	10,208	4,568	1,890	803

For more information contact **sales@silicaservicesinc.com**

GRADE NUMBERS INDICATE RELATIVE VALUES OR RESULTS. THEY ARE NOT A SPECIFICATION OR WARRANTY OF PERFORMANCE.

HEALTH HAZARD WARNING: Prolonged inhalation of dust associated with the materials described in this data sheet can cause delayed lung injury including Silicosis, a progressive, disabling and sometimes fatal lung disease. IARC and NTP have determined that crystalline silica can cause lung cancer in humans. Risk of injury is dependent on the duration and level of exposure. Follow OSHA or other relevant safety and health standards for the form of crystalline silica called Quartz. Current safety data sheet, containing safety information, is available and should be consulted before usage.

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Silica/Silica Containing

20/40

This is Tier 1, natural frac sand. It's sub-angular shape, monocrystalline structure, and ISO compliant sizing create a product with superior conductivity and crush resistance compared to other silica sands.

Closure Stress
Up to 7,000 psi
(48.3 MPa)

Maximum Recommended Temp
250°F
(121°C)

APPLICATIONS AND BENEFITS

- For use in oil and gas wells: enhanced conductivity and crush resistance to minimize production declines over time
- For use in industrial and recreation applications: spherical silica sand that is less abrasive and provides better drainage

PHYSICAL PROPERTIES

Mesh Size	Specific Gravity	Bulk Density lb/ft3	Bulk Density g/cm3	Roundness	Sphericity	Turbidity (NTU)	Crush Resistance K-Value
20/40	2.65	96.23	1.53	0.6	0.7	104	7K

CONDUCTIVITY (MD/FT), 50 HOURS @ 150 DEGREES F

Closure Stress	2,000	4,000	6,000	8,000
20/40	15,617	2,522	1,241	455

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Silica/Silica Containing

30/50

This is Tier 1, natural frac sand. It's sub-angular shape, monocrystalline structure, and ISO compliant sizing create a product with superior conductivity and crush resistance compared to other silica sands.

Closure Stress
Up to 8,000 psi
(55.2 MPa)

Maximum Recommended Temp
250°F
(121°C)

APPLICATIONS AND BENEFITS

- For use in oil and gas wells: enhanced conductivity and crush resistance to minimize production declines over time
- For use in industrial and recreation applications: spherical silica sand that is less abrasive and provides better drainage

PHYSICAL PROPERTIES

Mesh Size	Specific Gravity	Bulk Density lb/ft3	Bulk Density g/cm3	Roundness	Sphericity	Turbidity (NTU)	Crush Resistance K-Value
30/50	2.63	92.97	1.49	0.6	0.8	18	8K

CONDUCTIVITY (MD/FT), 50 HOURS @ 150 DEGREES F

Closure Stress	2,000	4,000	6,000	8,000
30/50	2,148	1,346	786	431

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Silica/Silica Containing

40/70

This is Tier 1, natural frac sand. It's sub-angular shape, monocrystalline structure, and ISO compliant sizing create a product with superior conductivity and crush resistance compared to other silica sands.

Closure Stress
Up to 9,000 psi
(62.1 MPa)

Maximum Recommended Temp
250°F
(121°C)

APPLICATIONS AND BENEFITS

- For use in oil and gas wells: enhanced conductivity and crush resistance to minimize production declines over time
- For use in industrial and recreation applications: spherical silica sand that is less abrasive and provides better drainage

PHYSICAL PROPERTIES

Mesh Size	Specific Gravity	Bulk Density lb/ft3	Bulk Density g/cm3	Roundness	Sphericity	Turbidity (NTU)	Crush Resistance K-Value
40/70	2.61	91.71	1.47	0.7	0.7	37	9K

CONDUCTIVITY (MD/FT), 50 HOURS @ 150 DEGREES F

Closure Stress	2,000	4,000	6,000	8,000
40/70	1,321	903	438	190

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Silica/Silica Containing

100 Mesh

This is Tier 1, natural frac sand. It's sub-angular shape, monocrystalline structure, and ISO compliant sizing create a product with superior conductivity and crush resistance compared to other silica sands.

Closure Stress
Up to 11,000 psi
(75.8 MPa)

Maximum Recommended Temp
250°F
(121°C)

APPLICATIONS AND BENEFITS

- For use in oil and gas wells: enhanced conductivity and crush resistance to minimize production declines over time
- For use in industrial and recreation applications: spherical silica sand that is less abrasive and provides better drainage

PHYSICAL PROPERTIES

Mesh Size	Specific Gravity	Bulk Density lb/ft3	Bulk Density g/cm3	Roundness	Sphericity	Turbidity (NTU)	Crush Resistance K-Value
100 Mesh	2.60	90.40	1.45	0.7	0.7	69	11K

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Silica/Silica Containing