



High Quality Silica Sand Solutions

— www.emdadenergy.com

Company Overview

Emdad Energy L.L.C is a trusted provider of frac sand, silica sand, and silica flour in the GCC and global markets.



Our advanced processing facilities include:

- Pre sieving
- Washing
- Drying
- Classification
- Bagging & Loading
- Lab Testing



Products

With our company infrastructure, manufacturing facilities supported by technical expertise and sales team, are truly well equipped to meet the toughest specifications.



Silica Sand



Frac Sand



Silica Flour



Frac Sand

Industry's best solution for Hydraulic fracturing or "fracking". In an environment of immense temperature and pressures inside a well, provides a hard wearing, durable matrix through which gas and liquids can flow.

Ultra-High Purity Monocrystalline structure Roundness & Uniform in size Highly crush resistant

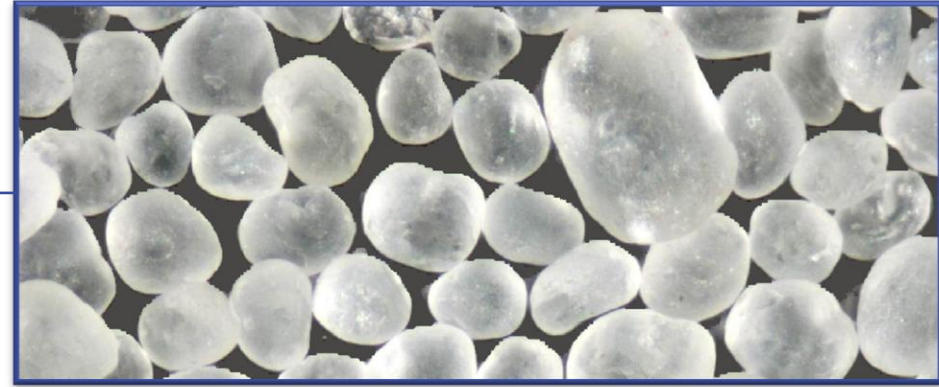
Product	Frac Sand
Standards	API 19C
Packing	BULKERS , SANDBOX
Shipping mode	2,000,000 Metric Ton/Year
Grades	12/20 Mesh - 16/30 Mesh - 20/40 Mesh 70/140 #100Mesh - 40/70 Mesh - 30/50 Mesh

Providing Physical Properties that meet API RP 19C

Standard:

Property	100 Mesh	40/70	12/20	16/30	20/40	30/50
Particle Size Range	0.106 - 0.212	0.212 - 0.420	0.84 - 1.70	0.60 - 1.18	0.42 - 0.84	0.297 - 0.595
US Mesh Size	70 - 140	40 - 70	12 - 20	16 - 30	20 - 40	30 - 50
Sphericity & Roundness	≥ 0.6	≥ 0.6	≥ 0.6	≥ 0.6	≥ 0.6	≥ 0.6
Turbidity (FTU)	≤ 250	≤ 250	≤ 250	≤ 250	≤ 250	≤ 250
Acid Solubility	≤ 3%	≤ 3%	≤ 2%	≤ 2%	≤ 3%	≤ 3%
Crush Resistance (10% fines)	≥ 10K psi	≥ 8K psi	≥ 4K psi	≥ 5K psi	≥ 6K psi	≥ 7K psi
Bulk Density (g/cm³)	1.6	1.6	1.6	1.6	1.6	1.6





**Ultra high purity frac sand,
with no clay, silt, debris**

- Highly rounded sand grains
- Highly specific, carefully controlled particle size grading
- Monocrystalline structure providing superior strength.
- Compliance With API RP 19c Standard





Proprietary Equipment Sets Us Apart

Frac Box



- ✓ Holds ~22.5 tons of sand
- ✓ Complete containment eliminates water contaminants
- ✓ Stackable / scalable storage

Chassis



- ✓ Holds 1 full or 2 empty Frac Box containers
- ✓ Durable and fully D.O.T. compliant
- ✓ No need for hoses, hookups or extra equipment

Conveyor



- ✓ Conveyor: gravity + belt driven to blender
- ✓ 3-8 containers set prior to stage (2 conveyors)
- ✓ Vacuum dust control system available



On Time, Every Time, Guaranteed

Generates Operational Efficiency

- ✓ Reduces unload time by >80%
- ✓ Allows for a configurable wellsite
- ✓ Smaller wellsite footprint
- ✓ 4 hour setup time
- ✓ Greatly improves reverse logistics

Creates Supply Chain Flexibility

- ✓ Option to pre-stage boxes
- ✓ Mobile transload opportunities
- ✓ Higher onsite inventory
- ✓ Share assets across well sites

Improves HSE

- ✓ Improved dust control (Respirable silica samples below new OSHA limits)
- ✓ One truck on location
- ✓ Back-in not required
- ✓ Noise level reduction





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CONNECT
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