

12/20-Mesh

Premium frac sand

APPLICATIONS

- Hydraulic fracturing operations
- Operations that require proppant with premium performance specifications

BENEFITS

- Ensures superior long-term conductivity due to high crush resistance
- Minimizes fines generation due to high roundness and sphericity
- Withstands closure stresses up to 4,000 psi
- Reduces dust and fines generation via low acid solubility and frac sand turbidity
- Provides superior crush performance due to high silica content

FEATURES

- Compliance with API Standard 19C
- Roundness and sphericity values typically greater than or equal to 0.8

The 12/20-mesh premium frac sand is selected with the highest quality standards. Sourced from Midwest mines in the Wonewoc Formation, 12/20-mesh premium frac sand exceeds industry expectations for high-quality Northern White sand. The high resistance to crush and very low acid solubility enable 12/20-mesh premium frac sand to withstand harsh downhole conditions and maintain strength and integrity after fracture closure.



12/20-mesh premium frac sand has roundness and sphericity values typically greater than or equal to 0.8.

Properties

Specific gravity (apparent density)	2.66
Bulk density, g/cm ³	1.58
Roundness	0.9
Sphericity	0.8
Grain size distribution (GSD), in size wt %	>90.0
Acid solubility, [†] %	0.2
Turbidity, NTU	35

[†]Performed in 12:3 mud acid for 30 minutes at 150 degF (66 deg)

Sieve Analysis: Median diameter, 0.943 mm

Mesh	wt %
8	0.0
10	0.0
12	0.0
14	0.2
16	3.4
18	29.8
20	58.5
30	7.5
Pan	0.5

Crush Test (ISO 13503-2): K value, 4,000 psi

Stress, psi	Fines, wt %
4,000	9.6
5,000	12.9