70/140-Mesh

Premium frac sand

WISCONSIN PROPPANTS

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 12,000 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 0.6

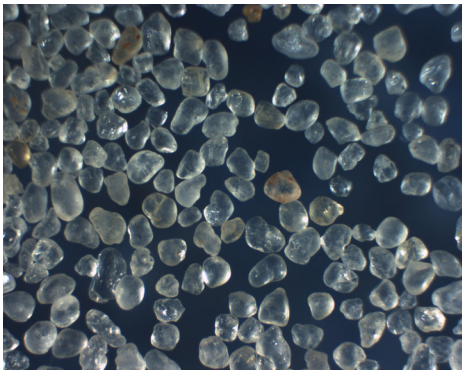
The 70/140-mesh premium frac sand is selected with the highest quality standards. Sourced from Midwest mines in the Wonewoc Formation, 70/140-mesh premium frac sand exceeds industry expectations for high-quality Northern White sand. The high resistance to crush and very low acid solubility enable 70/140-mesh premium frac sand to withstand harsh downhole conditions and maintain strength and integrity after fracture closure.

Properties	
Specific gravity (apparent density)	2.65
Bulk density, g/cm^3	1.51
Roundness	0.7
Sphericity	0.6
Grain size distribution (GSD), in size wt %	>98.0
Acid solubility,† %	1.2
Turbidity, NTU	68

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

Sieve Analysis: Median diameter, 0.173 mm	
Mesh	**wt %**
50	0.0
70	1.3
80	51.0
100	29.5
120	15.1
140	2.5
200	0.4
Pan	0.1

Crush Test (ISO 13503-2): K value, 12,000 psi	
Stress, psi	**Fines, wt %**
12,000	9.1
13,000	11.0



70/140-mesh premium frac sand has roundness and sphericity values typically greater than or equal to 0.6.