

20/40-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 7,000 psi

FEATURES

- Compliance with API RP 19C and ISO 13503-2
- Roundness and sphericity values typically greater than or equal to 0.7
- Low acid solubility and turbidity reduce dust and fines generation
- High silica content provides superior crush performance

20/40-mesh premium frac sand is selected with the highest quality standards. Sourced from Midwest mines in Wonewoc formations, 20/40-mesh premium frac sand exceeds industry expectations for high-quality Northern White sand. The high resistance to crush and very low acid solubility enable 20/40-mesh premium frac sand to withstand harsh downhole conditions and maintain strength and integrity after fracture closure.



20/40-mesh premium frac sand has high silica content with roundness and sphericity values typically greater than or equal to 0.7.

Properties	
Density, g/cm ³	2.64
Bulk density, g/cm ³	1.55
Roundness	0.7
Sphericity	0.7
Grain size distribution (GSD), in size wt %	>90
Acid solubility, % [†]	0.4
Turbidity, NTU	17.0

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

Crush Test ISO 13503-2

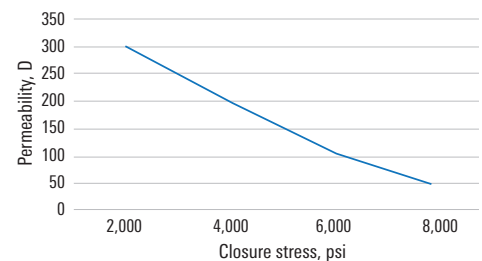
Stress, psi	Fines, wt %
4,000	1.0
7,000	9.3
8,000	15.4
K value	7,000

Conductivity and Permeability

Stress, psi	Conductivity, mD-ft	Permeability, D
2,000	5,620	302
4,000	3,470	202
6,000	1,764	111
8,000	744	49

Test Conditions: ISO 13503-5
Wisconsin Sandstone, 150 degF [66 degC], 2 lbm/ft² [9.8 kg/m²]
50 h, 2 wt % (167 lbm/1,000 galUS [20 kg/m³]) potassium chloride (KCl)

Typical Sieve Analysis	
Mesh	wt %
16	0.00
20	0.10
25	3.80
30	29.60
35	41.40
40	22.90
50	0.10
Pan	0.00
Median diameter, mm	0.558



Permeability measured at 150 degF, 2 lbm/ft². High crush resistance and roundness and sphericity values contribute to high permeability.