

Sintered Bauxite

High Density Proppants

Data Sheet



Sintered Bauxite

The right choice for your best wells

Why Sintered Bauxite?

For the deepest wells – where pressure and closure stresses are enormous – Saint-Gobain Proppants Sintered Bauxite is the right choice. Our highest strength, best performing product, Sintered Bauxite maintains excellent conductivity in the most demanding environments. It is available in three sizes: 16/30, 20/40 and 30/50.



16/30 Sintered Bauxite

Typical Properties

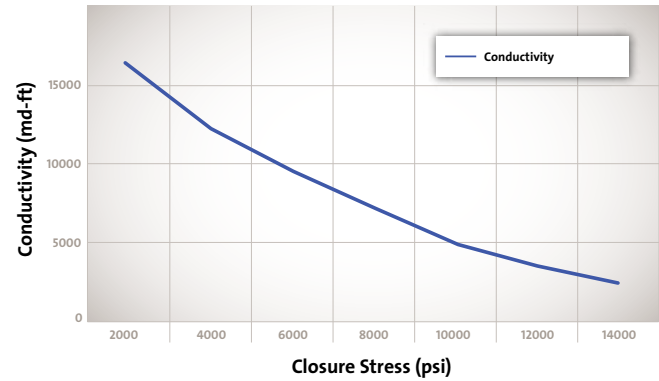
Size and Shape	
Sieve No.	% Retained
16	4
20	84
30	12
<30	Trace

ISO Mean Particle Diameter	0.98 mm
Median Particle Diameter	0.95 mm
Roundness/Sphericity (Krumbein & Sloss)	0.9

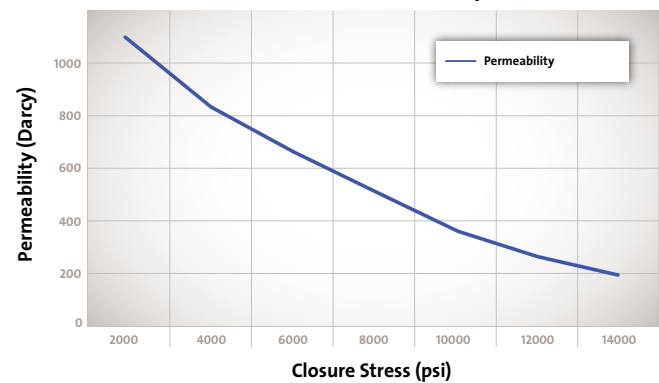
Physical Properties

Bulk Density	2.04 g/cc (127 lbs/ft ³)
Specific Gravity	3.5
Absolute Volume	0.0347 gal/lb
Acid Solubility, %	1.9
Crush Resistance at Stress %	7,500 psi 1.0
	10,000 psi 2.5
	12,500 psi 4.5
	15,000 psi 9.0

16/30 Sintered Bauxite Conductivity (@300°F)



16/30 Sintered Bauxite Permeability (@300°F)



20/40 Sintered Bauxite

Typical Properties

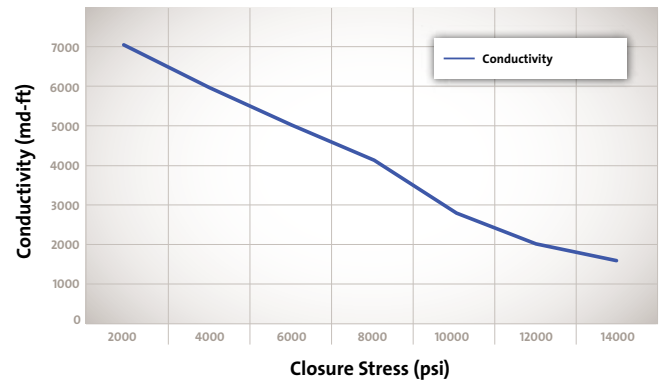
Size and Shape	
Sieve No.	% Retained
20	8
30	82
40	10
<40	Trace

ISO Mean Particle Diameter	0.73 mm
Median Particle Diameter	0.71 mm
Roundness/Sphericity (Krumbein & Sloss)	0.9

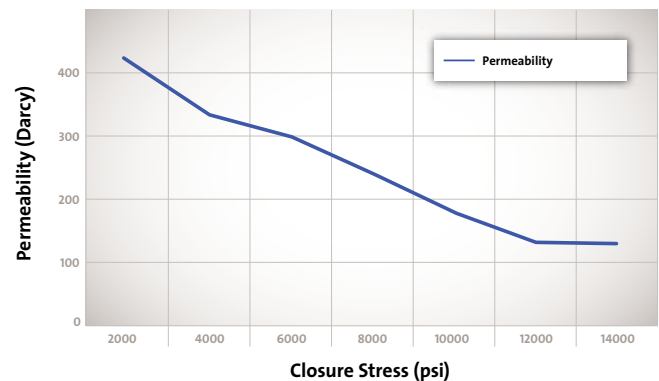
Physical Properties

Bulk Density	2.04 g/cc (127 lbs/ft ³)
Specific Gravity	3.5
Absolute Volume	0.0347 gal/lb
Acid Solubility, %	1.9
Crush Resistance at Stress %	7,500 psi 0.5
	10,000 psi 1.2
	12,500 psi 2.2
	15,000 psi 4.0

20/40 Sintered Bauxite Conductivity (@300°F)



20/40 Sintered Bauxite Permeability (@300°F)



30/50 Sintered Bauxite

Typical Properties

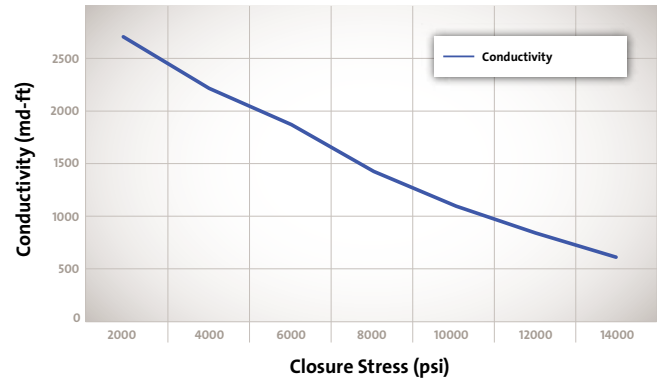
Size and Shape	
Sieve No.	% Retained
30	5
40	75
50	20
<50	Trace

ISO Mean Particle Diameter	0.48 mm
Median Particle Diameter	0.47 mm
Roundness/Sphericity (Krumbein & Sloss)	0.9

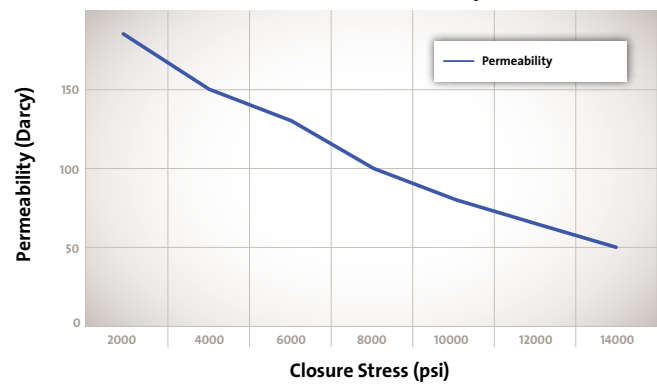
Physical Properties

Bulk Density	2.04 g/cc (127 lbs/ft ³)	
Specific Gravity	3.5	
Absolute Volume	0.0347 gal/lb	
Acid Solubility, %	1.9	
Crush Resistance at Stress %	7,500 psi	0.2
	10,000 psi	0.6
	12,500 psi	1.0
	15,000 psi	1.5

30/50 Sintered Bauxite Conductivity (@300°F)



30/50 Sintered Bauxite Permeability (@300°F)





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