

UltraProp® Sintered Bauxite High Density Proppants Data Sheet



UltraProp® Sintered Bauxite

Engineered to deliver superior conductivity and value

Why UltraProp® Sintered Bauxite?

Innovation

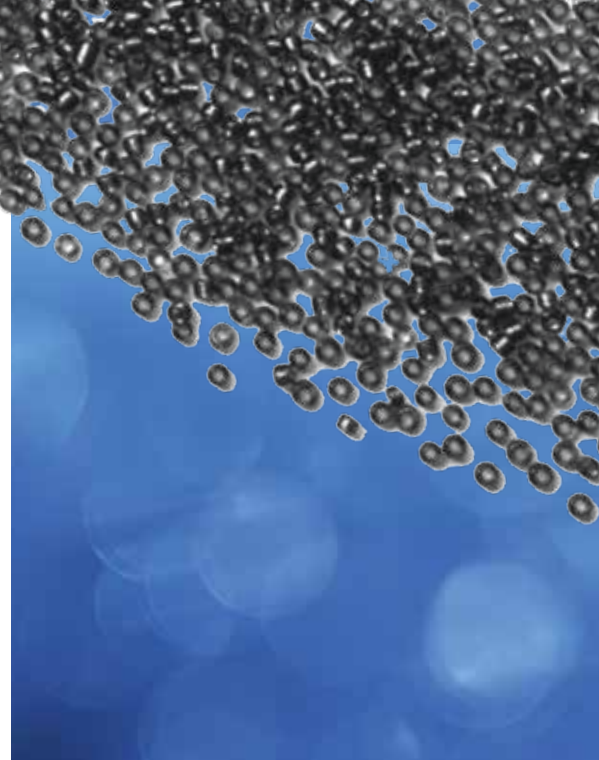
Thinking out of the box, Saint-Gobain Proppants investigated the properties of a proppant pack that have the greatest impact on conductivity. Because median particle diameter (MPD) is the single most significant factor influencing conductivity, Saint-Gobain Proppants engineered our new UltraProp® Sintered Bauxite product with a slightly larger MPD. This innovative approach allows for a broader sieve distribution and increased efficiency in the manufacturing process – enabling us to offer a product with superior conductivity at a very competitive cost.

Value

UltraProp Sintered Bauxite delivers more conductivity per dollar than competing high-strength products – which can translate to reduced costs for your fracturing treatment.

Size

While UltraProp Sintered Bauxite is not a standard API sieve distribution, it most closely resembles a 20/40 mesh proppant. Its MPD is slightly larger than other 20/40 high-strength proppants – the reason for its increased conductivity – but UltraProp Sintered Bauxite is nearly 30 percent smaller than 16/30 proppant products.



UltraProp® Sintered Bauxite

Typical Properties

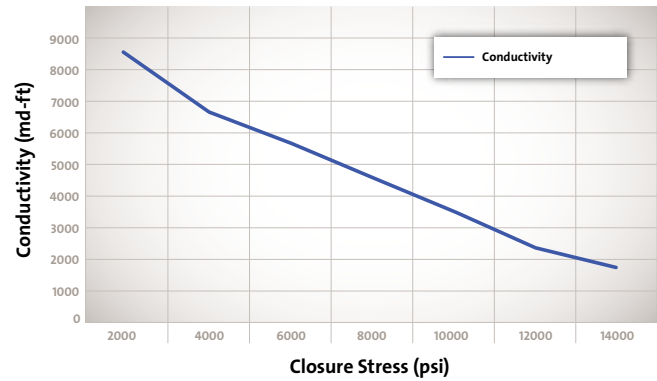
Size and Shape	
Sieve No.	% Retained
18	8
25	56
40	36
<40	Trace

ISO Mean Particle Diameter	0.76 mm
Median Particle Diameter	0.74 mm
Roundness/Sphericity (Krumbein & Sloss)	0.9

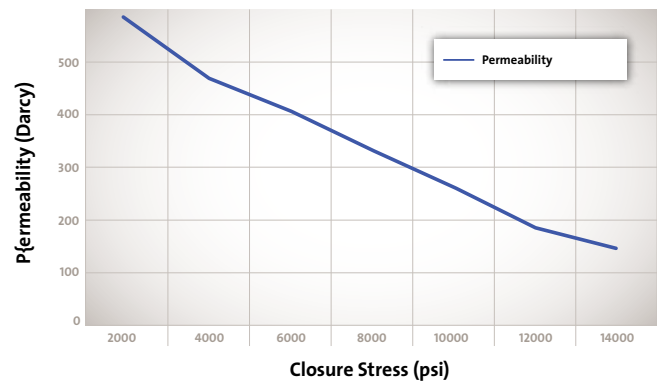
Physical Properties

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	0.6
	10,000 psi	1.5
	12,500 psi	3.0
	15,000 psi	6.0

UltraProp® Sintered Bauxite Conductivity (@300°F, 2 lbs/ft²)



UltraProp® Sintered Bauxite Permeability (@300°F, 2 lbs/ft²)



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