

TECHNICAL DATA SHEET

PROPPANTS TECHNICAL DATA



SinterBlast Bauxite is a fine-mesh, angular high strength bauxite proppant manufactured by Mineração Curimbaba, Ltda. in Southern Brazil.

Applications

» *More effective lead-ins than 100 mesh silica sand*

- Reduce tortuosity by abrasion of perf tunnels and near wellbore fractures.
- Reduce perf friction pressure thereby reducing hydraulic horsepower costs.
- Prop microfractures with reduced fines from crushing.

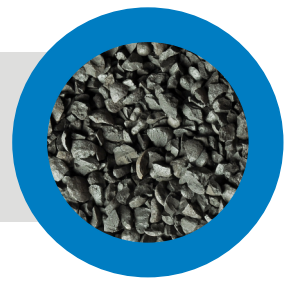
» *Primary proppant in deep water-fracs*

- Highly abrasive for fracture face scouring.
- Fine grains for transport in slick water and linear gels.
- High strength bauxite mineralogy for crush resistance.

» *Advantages over silica sand*

- Stronger, more durable due to mineralogy.
- More angularity.
- 30 times more abrasive.
- Higher crush resistance.
- Higher conductivity.

Properties	Sieves	40/120	120/270
		% Retained	
Sieve Analysis	# 40	1	
	# 50	38	
	# 70	33	
	# 80	12	1
	# 120	16	15
	# 140		22
	# 170		29
	# 200		17
	# 270		10
	# 325		2
	Fines		4
Bulk Density	g/cm ³	1.87	1.53
Chemical Composition, %	Al ₂ O ₃	73.8	
	Fe ₂ O ₃	14.8	
	SiO ₂	7.0	
	TiO ₂	1.9	
	CaO	1.6	
	Other	0.3	



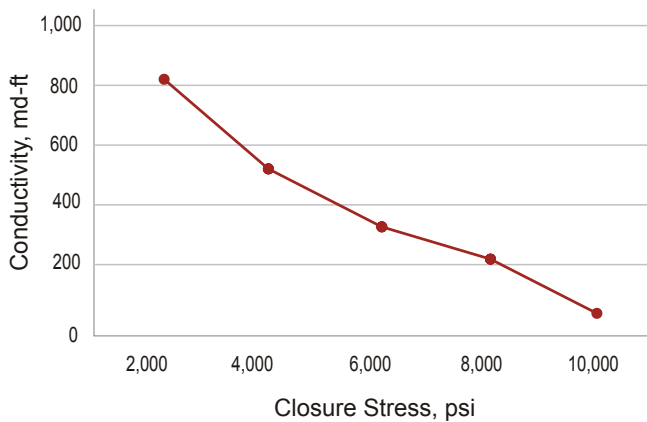
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SinterBlast - Conductivity

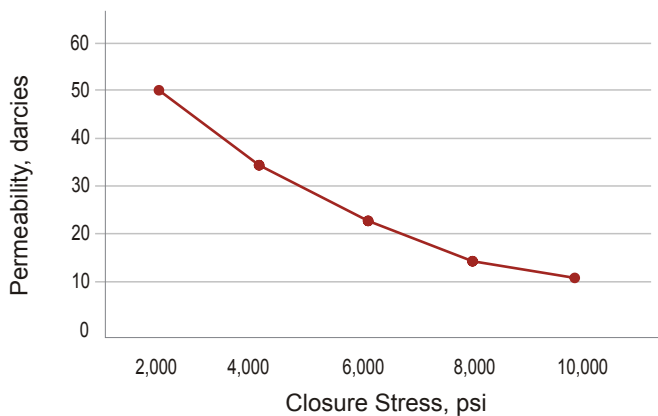
md-ft - 2% KCl - 2lb/ft² @ 250° F



	2,000	4,000	6,000	8,000	10,000
—●— 40/120	811	517	329	209	134

SinterBlast - Permeability

darcies, 2% KCl - 2lb/ft² @ 250° F



	2,000	4,000	6,000	8,000	10,000
—●— 40/120	50	34	24	16	11