



# SinterLite Lock Bauxite

## Sieve Analysis

% Retained Sieves	16/30			20/40			30/60		
	R1	R2	R3	R1	R2	R3	R1	R2	R3
#16	1	1	2	-	-	-	-	-	-
#18	31	26	27	-	-	-	-	-	-
#20	59	55	51	7	7	6	-	-	-
#25	7	12	13	53	52	47	-	-	-
#30	2	6	7	38	37	41	1	1	1
#35	-	-	-	2	4	6	-	-	-
#40	-	-	-	-	-	-	63	63	56
#50	-	-	-	-	-	-	33	33	38
#60	-	-	-	-	-	-	3	3	5
Fines	0	0	0	0	0	0	0	0	0
Mean Diameter (mm)	0.964	0.934	0.938	0.745	0.742	0.729	0.457	0.456	0.444

## Crush Resistance Stress psi, % fines

	16/30			20/40			30/60		
	R1	R2	R3	R1	R2	R3	R1	R2	R3
7,500 psi	7.6	11.7	12.1	3.7	4.7	5.2	4.3	5.9	6.8

## Chemical Analysis

% Al <sub>2</sub> O <sub>3</sub>	71.1
Fe <sub>2</sub> O <sub>3</sub>	13.6
SiO <sub>2</sub>	11.4
TiO <sub>2</sub>	1.7
Others	2.2

Safety Data Sheet Requests via the website:  
[intranet.infobasys.com.br/Produto\\_FSM/Curimbaba/FSM\\_pt.nsf/wPortal?OpenPage](http://intranet.infobasys.com.br/Produto_FSM/Curimbaba/FSM_pt.nsf/wPortal?OpenPage).

## Other Properties

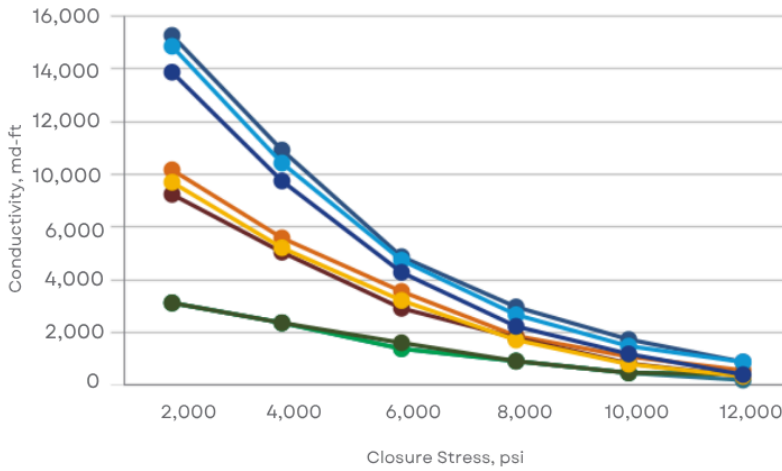
Sphericity & Roundness	-	0.85x0.85
Bulk Density	lb/ft <sup>3</sup>	1.85
	g/cm <sup>3</sup>	116
Apparent Density	g/cm <sup>3</sup>	3.39
Absolute Density	g/cm <sup>3</sup>	3.47
Turbidity	FTU	56
Acid Solubility	%	4.9



# SinterLite Lock Bauxite

## SinterLite Lock Bauxite - Conductivity

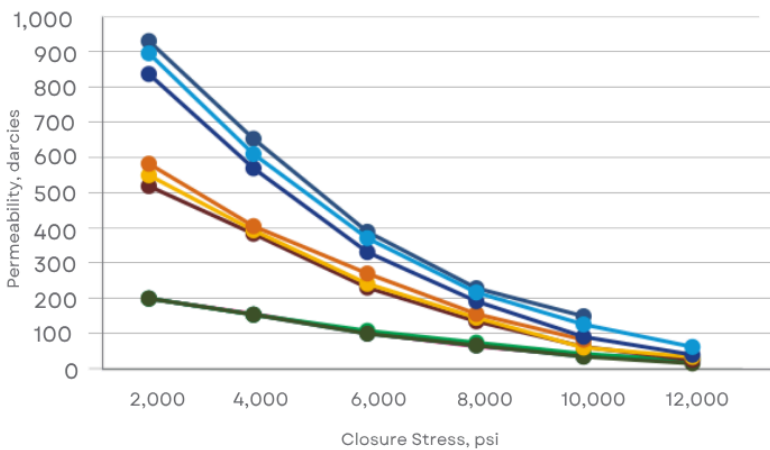
md-ft - 2% KCl - 2lb/ft<sup>2</sup> @250°F



	2,000	4,000	6,000	8,000	10,000	12,000
16/30 R1	14,829	9,801	5,739	3,349	2,071	990
16/30 R1.5	14,293	9,235	5,476	3,114	1,716	877
16/30 R2	13,350	8,574	4,948	2,684	1,312	545
20/40 R1	9,074	6,168	4,020	2,230	1,173	693
20/40 R1.5	8,765	5,894	3,657	2,043	945	460
20/40 R2	8,157	5,699	3,406	1,931	913	432
30/60 R1	3,441	2,595	1,666	1,061	665	473
30/60 R2	3,422	2,535	1,714	1,056	594	452
30/60 R3	3,381	2,478	1,629	1,042	591	311

## SinterLite Lock Bauxite - Permeability

darcies - 2% KCl - 2lb/ft<sup>2</sup> @250°F



	2,000	4,000	6,000	8,000	10,000	12,000
16/30 R1	922	640	394	242	155	77.2
16/30 R1.5	885	598	374	225	129	68.7
16/30 R2	822	560	341	197	100	43.1
20/40 R1	570	403	273	158	86.2	52.5
20/40 R1.5	549	383	247	145	69.7	35
20/40 R2	514	372	231	138	67.7	33.3
30/60 R1	201	157	105	70	46	34
30/60 R2	199	158	112	75	45	28
30/60 R3	199	156	109	74	45	25

