

SinterBall Bauxite

Sieve Analysis

% Retained

Sieves	16/30	20/40	30/50	40/70
#16	3	-	-	-
#18	22	-	-	-
#20	58	4	-	-
#25	15	38	-	-
#30	2	47	3	-
#35	-	10	40	-
#40	-	1	46	5
#45	-	-	-	32
#50	-	-	10	34
#60	-	-	-	24
#70	-	-	1	5
Fines	0	0	0	0
Mean Diameter(mm)	0.950	0.704	0.491	0.339

Chemical Analysis

%	
Al ₂ O ₃	74.5
Fe ₂ O ₃	14.2
SiO ₂	6.4
TiO ₂	1.8
Others	3.1

Other Properties

Sphericity & Roundness	-	0.9x0.9
Bulk Density	lb/ft ³	2.04
	g/cm ³	127
Apparent Density	g/cm ³	3.63
Absolute Density	g/cm ³	3.67
Turbidity	FTU	99
Acid Solubility	%	5.6

Crush Resistance Stress psi, % fines

	16/30	20/40	30/50	40/70
12,500 psi	5.6	2.5	2.1	1.4
15,000 psi	7.5	4.1	2.9	3.0

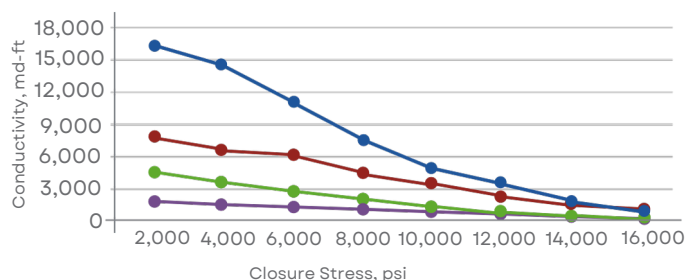
Safety Data Sheet Requests via the website:
intranet.infobasys.com.br/Produto_FSM/Curimbaba/FSM_pt.nsf/wPortal?OpenPage.

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GRUPO CURIMBABA

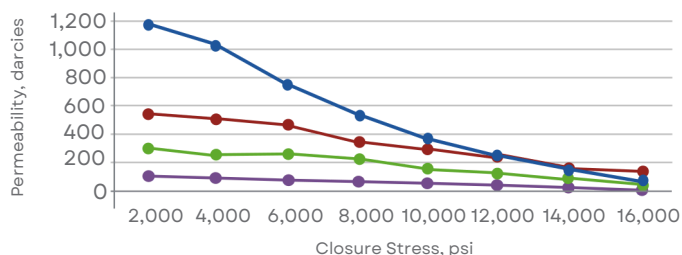
SinterBall Bauxite



SinterBall Bauxite - Conductivity

md-ft - 2% KCl - 2lb/ft² @250°F

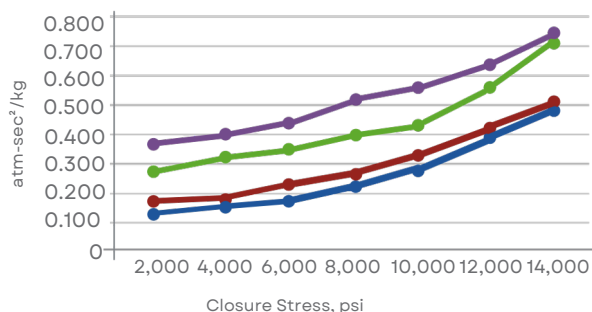
	2,000	4,000	6,000	8,000	10,000	12,000	14,000	16,000
16/30	16,517	14,953	11,351	7,653	5,190	3,124	2,176	1,316
20/40	8,060	6,909	6,023	4,901	3,833	2,903	2,116	1,647
30/50	4,408	3,780	3,265	2,806	2,341	1,815	1,383	1,000
40/70	1,447	1,267	1,130	989	850	712	574	438



SinterBall Bauxite - Permeability

darcies - 2% KCl - 2lb/ft² @250°F

	2,000	4,000	6,000	8,000	10,000	12,000	14,000	16,000
16/30	1,083	1,008	788	548	383	239	171	106
20/40	542	480	432	363	293	229	172	138
30/50	302	264	234	205	175	139	108	80.6
40/70	102	90.0	82.2	73.3	64.3	54.7	45.1	35.1



SinterBall Bauxite - Beta Factor

atm-sec²/kg - 2lb/ft² @300°F

	2,000	4,000	6,000	8,000	10,000	12,000	14,000
16/30	0.127	0.150	0.178	0.209	0.286	0.391	0.583
20/40	0.171	0.184	0.226	0.258	0.322	0.407	0.603
30/50	0.269	0.309	0.354	0.394	0.439	0.562	0.700
40/70	0.361	0.396	0.439	0.505	0.562	0.637	0.754

