



SinterBall Jat

Sieve Analysis

% Retained

Sieves	8/16	12/20	18/30	20/40	35/70
#6	0.0	-	-	-	-
#8	1.4	-	-	-	-
#10	11.6	0.0	-	-	-
#12	18.3	0.1	-	-	-
#14	39.4	4.6	-	-	-
#16	24.8	32.3	0.0	0.0	-
#18	-	44.7	3.2	-	-
#20	4.4	16.0	20.0	5.5	-
#25	-	-	43.6	33.2	0.0
#30	-	2.2	26.7	32.8	-
#35	-	-	5.0	21.3	4.7
#40	-	-	1.1	5.6	17.7
#50	-	-	-	1.5	46.6
#60	-	-	-	-	18.1
#70	-	-	-	-	9.1
#100	-	-	-	-	3.4
Fines	0.1	0.1	0.4	0.1	0.4
Mean Diameter (mm)	1.61	1.14	0.77	0.68	0.36

Chemical Analysis

%

Al ₂ O ₃	74
Fe ₂ O ₃	15
SiO ₂	7
TiO ₂	2
K ₂ O	1
Others	1

Mineralogical Analysis

%

Corundum -α Al ₂ O ₃	90.7
Hematite-α Fe ₂ O ₃	5.3
Maghemite-γ Fe ₂ O ₃	2.8
Pseudobrookite Fe ₂ TiO ₅	1.1

Other Properties

Bulk Density	g/cm ³	2.08
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Crush Resistance Stress, % fines

	8/16	12/20	18/30	20/40	35/70
12,500 psi	21	16	7	4	-
15,000 psi	-	-	-	-	5

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

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