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PRODUCT TECHNICAL DATA

Calcined Flint Clay Fluid Bed Boilers

Description:

A calcined Missouri Fireclay with low alkali and iron content coupled with high mullite levels. The material exhibits high refractoriness, good thermal shock resistance, and resistance to slag and alkali attack making it ideal for a variety of fuel feedstocks.

Physical Properties

PCE	33-34
Grain Density	2.50-2.60

Chemical Analysis

SiO ₂	50 - 55%
Al ₂ O ₃	40 - 45%
Fe ₂ O ₃	0.7 - 1.7%
TiO ₂	2 - 2.75%
K ₂ O	Trace - 1.5%
MgO	Trace - 0.7%
CaO	Trace - 0.5%
Na ₂ O	Trace - 0.5%
P ₂ O ₅	Trace - 0.71%

*Typical Screen Analysis**

Retained On	8x20 Individual % Retained	10x20 Individual % Retained	12x20 Individual % Retained
US 6	0.2%	-	-
US 8	8.5%	0.3%	-
US 10	15.2%	8.0%	0.1%
US 14	32.1%	42.3%	6.8%
US 16	-	15.8%	22.9%
US 20	31.2%	21.4%	43.4%
US 30	7.2%	7.8%	17.9%
US 40	2.6%	2.4%	5.2%
US 50	1.2%	0.9%	1.9%
Pan	1.8%	0.9%	1.8%

*NOTE: Other sizes available upon request

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