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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 <sub>2</sub>	50.8 - 54.3%
Al <sub>2</sub> O <sub>3</sub>	40.2 - 42.9%
Fe <sub>2</sub> O <sub>3</sub>	1.0 - 1.4%
TiO <sub>2</sub>	2.1 - 2.2%
K <sub>2</sub> O	0.4 - .7%
MgO	0.2 - 0.3%
CaO	0.2 - 0.4%
Na <sub>2</sub> O	0.1 - 0.1%
P <sub>2</sub> O <sub>5</sub>	0.3 - 0.6%

#### *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

The data shown above is based on control test data. The results of individual tests may vary. Therefore, this data may not be used for specifications. NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OF MERCHANTABILITY ARE MADE REGARDING THE DATA SHOWN ABOVE.