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## PRODUCT TECHNICAL DATA

### Calcined Missouri Flint Clay

**Description:** A calcined fireclay with high refractoriness, low alkalis and iron, and a low cristobalite content. This material is ideally suited for the refractory industry for manufacturing bricks, castable, and plastic. It is also used in pottery and terra cotta industry as a grog in a variety of bodies formulations.

#### Physical Properties

PCE	33-34
Grain Density (BSG)	2.50-2.60
Density on Packed Grains	1.47 g/cc
Porosity	2.0-2.5%

#### Chemical Analysis

SiO <sub>2</sub>	50.8 - 54.6%
Al <sub>2</sub> O <sub>3</sub>	40.2 - 44.3%
Fe <sub>2</sub> O <sub>3</sub>	0.49 - 1.7%
TiO <sub>2</sub>	2.05 - 2.3%
K <sub>2</sub> O	0.39 - 2.6%
MgO	0.2 - 0.6%
CaO	0.19 - 0.4%
Na <sub>2</sub> O	0.05 - 0.1%
P <sub>2</sub> O <sub>5</sub>	0.16 - 0.6%

**Packaging** Bulk, Supersack, 50lb and 100lb bag

The data shown above is based on control test data. The results of individual tests may vary. Therefore, this data may no be used for specifications. NO WARRENTIES, EXPRESSED OR IMPLIED, INCLUDING WARRENTIES OF FITNESS FOR A PARTICULAR PURPOSE OF MERCHANTABILITY ARE MADE REGARDING THE DATA SHOWN ABOVE.