



# Grains and Raw Materials

## Product Data

### INDUSTRIAL CLAY SERIES

<b>Markets</b>	Refractory Formulations, Foundries, Structural Clay Body & Coatings, Technical Ceramics, Anti-Caking Agent for Feeds
<b>Benefits</b>	Increases Plasticity, Increases Refractoriness
<b>Preparation Method</b>	Crude, Crushed, Pulverized, Air Floated
<b>Location</b>	Cedar Heights Clay Division Post Office Box 295; 3542 St. Route 93 Oak Hill, OH 45656 Phone: 740-682-7794 Fax: 740-682-6438

<b>Product</b>	<b>Bonding Clay</b>	<b>CKR</b>	<b>Fireclay</b>	<b>Fireclay A/S</b>
<b><u>Chemical Analysis (%)</u></b>				
Al <sub>2</sub> O <sub>3</sub>	29.4	30.1	27.3	25.4
SiO <sub>2</sub>	54.7	51.9	57.8	60.9
Fe <sub>2</sub> O <sub>3</sub>	1.7	1.5	1.7	1.6
TiO <sub>2</sub>	1.6	1.6	1.5	1.5
MgO	0.3	0.3	0.4	0.5
CaO	0.2	0.2	0.2	0.2
Na <sub>2</sub> O	0.2	0.2	0.2	0.1
K <sub>2</sub> O	1.7	1.6	2.1	2.3
Other	0.1	0.1	-	-
LOI	10.1	12.5	8.8	7.5
<b>Available Mesh Sizes</b>	12/30/200	30	12/30	12/30
<b>Bond Strength (psi)</b>	10.5	10.5	8.5	7.0
<b>Fired Color</b>	Light Buff	Light Buff	Med. Buff	Dark Buff
<b>P.C.E.</b>	31	31	29	27
<b>Packaging Available</b>	60-50 lb bags/pallet 30-100 lb bags/pallet Super Sacks (Various Weights) Bulk Trucks and Rail Cars			

\* S/D Products are Available

The properties shown on this data sheet represent typical average results generated using standard ASTM test methods (unless otherwise noted) conducted under controlled condition (using standard rectangular shapes), and should not be considered to be guaranteed specifications. Properties are subject to normal manufacturing statistical standard deviation ranges, and Resco Products, Inc. reserves the right to modify the properties and specifications at any time without prior notice.

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