



**CERAMIC GROUND RK BAUXITE**  
**PRODUCT DATA**

**Description:**

Round Kiln calcined low alkali bauxite is ground in alumina lined ball mills using high density alumina grinding media. Ceramic Ground RK Bauxite is available from C-E Minerals' Newell, WV processing plant.

**Applications:**

Round Kiln calcined low alkali bauxite ceramically ground fines are an excellent source of alumina for high alumina refractory formulations where extremely low levels of metallic iron are important.

**Chemical Analysis (%):**

	<b>Typical</b>	<b>Specification</b>
Al <sub>2</sub> O <sub>3</sub>	88.7	87.0 (min)
SiO <sub>2</sub>	5.29	7.50 (max)
Fe <sub>2</sub> O <sub>3</sub>	1.46	2.00 (max)
TiO <sub>2</sub>	3.62	3.75 (max)
K <sub>2</sub> O + Na <sub>2</sub> O	0.19	0.25 (max)
CaO + MgO	0.29	0.50 (max)

**Physical Properties:**

Bulk Density (g/cc)	3.38	3.25 (min)
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**Sizing Specifications Available from Newell, WV (% Retained)**

USS Sieve	30 0.6 mm	40 0.425 mm	60 0.25 mm	70 212 µm	100 150 µm	200 75 µm	325 45 µm	PAN*
Grade								
48F	Tr					55-65		35-45
100F		Tr	0.5		0.10	15-45	10-35	30-50
200F			Tr			15-30		68-85
325F					Tr	0-1	0-10	90-100

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