



**RK BAUXITE
PRODUCT DATA**

Description:

RK Bauxite is a round kiln calcined low alkali refractory grade bauxite. Specially selected high quality Chinese Round Kiln Bauxite is available from C-E Minerals' Newell, WV processing plant.

Applications:

RK Bauxite is widely used in high alumina refractory bricks and shapes, plastics, castables, mortars, gun mixes, ramming mixes, and other refractory products.

Chemical Analysis (%)	Typical	Specification
Al ₂ O ₃	88.7	87.0 (min)
SiO ₂	5.29	7.50 (max)
Fe ₂ O ₃	1.46	2.00 (max)
TiO ₂	3.62	3.75 (max)
K ₂ O + Na ₂ 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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2/15/08

901 East 8th Avenue – King of Prussia, Pennsylvania 19406
USA · (610) 768-8800

Fax: (610) 337-8122 · www.ceminerals.com · inquire@ceminerals.com



Although reasonable care has been taken in the preparation of the information contained herein, C-E Minerals extends no warranties and assumes no responsibility as to the accuracy or suitability of such application to purchaser's intended purposes or consequences of its use.



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Sizing Specifications Available from Newell, WV (% Retained)

USS Sieve	1 1/2" 37.5 mm	1" 25.0 mm	3/4" 19.0 mm	1/2" 12.5 mm	3/8" 9.5 mm	5/16" 8.0 mm	0.265" 6.7 mm	3.5" 5.6 mm	4 4.75 mm	6 3.35 mm	8 2.36 mm	10 2.0 mm	16 1.18 mm	18 1.0 mm	20 0.85 mm	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																								
2"x1"		90 min		10 max					1 max															1 max
1 1/2"x1/2"	0	60-80		20-40																				0-5
3/4"x4			0-8	25-55			40-65																	0-15
3/8"x4					0-2	0-5	15-30	20-40	10-25	15-32														0-5
3F						Tr	0-5		10-25		20-45				14-36		5-15							5-20
3x4						Tr	0-4		54-70															28-44
3x6							0-2		40-60	28-48				5-15										0-2
3x8						Tr	0-4		15-25		53-70													10-23
4F									0-5		28-42				32-48									17-28
4x8							Tr		0-4		70-86													15-25
4x20							Tr		0-2		46-62				35-51									0-4
6F									0-5	5-15					40-60						20-45			0-10
6x14									0-10	20-40			35-55		5-15									10-20
8F									Tr	0-5					40-55			20-35						15-30
8x20									Tr	0-6					69-89									10-26
10F										0-2	2-12		28-48		15-25						20-38	0-5		0-5
12F											0				5-25		20-35		30-50					10-25
14F													0-10			20-40	10-20	10-20					15-35	5-15
20F															Tr-5	5-20	10-30	20-40			10-30			5-25
30F																0-5					5-15	25-45		40-65

*PAN designates the percentage of material passing the last reported screen for each size

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