



PRODUCT DATA

Brand Name: KRIAL® CFB

Description: KRIAL® CFB is a low iron, high strength burned alumina brick designed for resistance to impact, abrasion, and carbon monoxide (CO) attack in severe wear blast furnace applications. It has low porosity and outstanding hot and cold strengths.

Physical properties shown are averages based on standard brick sizes.
ASTM test methods used where applicable

Bulk Density (pcf)

As Received 160 (2.56 g/cm³)

Modulus of Rupture (psi)

At 70°F (21°C) 3,130 (220 kg/cm²)

Cold Crushing Strength (psi)

At 70°F (21°C) 12,230 (860 kg/cm²)

Apparent Porosity (%)

As Received 13.4

Permanent Linear Change (%)

After 2910°F (1600°C)/5 hours +2.0

Typical Chemical Analysis (%)

(Calcined Basis)

Alumina (Al ₂ O ₃)	65.0
Silica (SiO ₂)	26.2
Iron Oxide (Fe ₂ O ₃)	1.8
Titania (TiO ₂)	2.9
Lime (CaO)	0.2
Magnesia (MgO)	0.2
Phosphorus Pentoxide (P ₂ O ₅)	3.5
Alkalis (Na ₂ O+K ₂ O)	0.2

Brand Code: 7330

The properties shown on this data sheet represent typical average results 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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