



PRODUCT DATA

Brand Name:

KRICOR®

Description: KRICOR® is a durable super alumina brick and is usually the first choice for the working linings of coreless and channel induction furnaces. It is characterized by high resistance to slag attack, low porosity and permeability, high hot strength and density, resistance to severe abrasion and excellent dimensional stability.

Physical properties shown are averages based on standard brick sizes.

ASTM test methods used where applicable

Bulk Density (pcf)

As Received 181 (2.90 g/cm³)

Modulus of Rupture (psi)

At 70°F (21°C) 2830 (198 kg/cm²)

Cold Crushing Strength (psi)

At 70°F (21°C) 15540 (1088 kg/cm²)

Apparent Porosity (%)

As Received 14.5

Hot Load Deformation (%)

At 2640°F (1450°C) & 25 psi 0.35

Typical Chemical Analysis (%)

(Calcined Basis)

Alumina (Al ₂ O ₃)	90.8
Silica (SiO ₂)	8.4
Iron Oxide (Fe ₂ O ₃)	0.1
Lime (CaO)	0.3
Magnesia (MgO)	0.2
Alkalis (Na ₂ O+K ₂ O)	0.2

Brand Code: 1337

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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