



Technical Data

KRICOR® SPECIAL, HIGH ALUMINA BRICK

**PHYSICAL
PROPERTIES
(ASTM
procedures
used where
applicable)**

Bulk Density:	<u>lb/ft³</u> 190
Modulus of Rupture:	<u>lb/in²</u> 3,660
Hot Modulus of Rupture: 2700°F (1480°C)	2,000
Cold Crushing Strength:	17,240
Apparent Porosity, %:	11.8
Hot Load Deformation, %: 3000°F (1650°C) & 25 psi	+0.2
3200°F (1760°C) & 25 psi	+0.3
Creep (24 Hours), %: 3200°F (1760°C) & 28.4 psi	≤1.0
Permanent Linear Change, %: 3100°F (1705°C) & 5 Hours	+0.5
3300°F (1815°C) & 5 Hours	+1.8
Panel Spalling Loss, %: 3000°F (1650°C) Preheat	Nil

**CHEMICAL
ANALYSIS
(Ignited)**

Al ₂ O ₃	91.3%
SiO ₂	8.4
Fe ₂ O ₃	0.1
TiO ₂	Trace
CaO	Trace
MgO	Trace
Alkalies	0.2

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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