



PRODUCT DATA

Brand Name: **KRIAL® 60-A+**

Description: KRIAL® 60-A+ is the primary answer for blast furnace and blast furnace stove applications requiring a low flux 60% alumina product. KRIAL® 60-A+ is a low porosity, high strength product and has become the choice for most thin wall stove checker applications. It has been quite successful in blast furnace stack linings and torpedo ladles.

Physical properties shown are averages based on standard brick sizes.

ASTM test methods used where applicable

Bulk Density (pcf)

As Received 154 (2.47 g/cm³)

Cold Crushing Strength (psi)

At 70°F (21°C) 6810 (477 kg/cm²)

Apparent Porosity (%)

As Received 16.0

Hot Load Deformation (%)

2640°F (1450°C) / 25 psi (1.8 MPa) 0 - 0.3

Creep (%)

20th / 50th Hour 2550°F (1400°C) 0.5 - 1.5
50 Hours 2600°F (1425°C) Less than 0.20

Permanent Linear Change (%):

2910°F (1600°C) / 5 Hours +0.2 to +0.6

Typical Chemical Analysis (%)

(Calcined Basis)

Alumina (Al ₂ O ₃)	59.6
Silica (SiO ₂)	37.4
Magnesia (MgO)	0.1
Lime (CaO)	0.1
Iron Oxide (Fe ₂ O ₃)	1.0
Titania (TiO ₂)	1.7
Alkalis (Na ₂ O+K ₂ O)	0.1

Brand Code: 1353

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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