



PRODUCT DATA

Brand Name: RESCAL 10 CR
Description: BURNED, ALUMINA CHROME BRICK

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

Bulk Density (pcf)

As Received 198 (3.17 g/cm³)

Modulus of Rupture (psi)

At 70°F (21°C) 2470 (173 kg/cm²)
At 2700°F (1482°C) 2530 (177 kg/cm²)

Cold Crushing Strength (psi)

At 70°F (21°C) 16780 (1175 kg/cm²)

Apparent Porosity (%)

As Received 17.4

Permanent Linear Change (%)

After 2900°F (1593°C) -0.5

Typical Chemical Analysis (%)

(Calcined Basis)

Alumina (Al ₂ O ₃)	89.8
Silica (SiO ₂)	0.1
Iron Oxide (Fe ₂ O ₃)	0.1
Lime (CaO)	0.1
Chromic Oxide (Cr ₂ O ₃)	9.7
Alkalis (Na ₂ O+K ₂ O)	0.2

Brand Code: 7017

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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03/09/17 is the date that this data sheet was updated. Check with your RESCO sales representative or RESCO website to determine you have the current sheet.

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