



# PRODUCT DATA

Brand Name: **RESCAL 10 CRSR**

Description: **Burned Alumina-Chrome Brick  
Shock Resistant**

**Maximum Service Temperature** 3400 °F (1870 °C)

**Bulk Density (lb/ft<sup>3</sup>) :** 197

**Apparent Porosity (%) :** 17.5

**Modulus of Rupture (psi)** 3,000

**Cold Crushing Strength (psi)** 15,000

**Permanent Linear Change (%)  
After Firing to 2900°F (1593°C) :** -0.08

**Hot Modulus of Rupture (psi)  
At 2700°F (1482°C) :** 1,720

**Thermal Shock Resistance:  
ASTM C-1171 (5 cycles 2200°F)  
Loss in Strength (%)** 5.1

<b>Typical Chemical Analysis (%)</b>	
Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	<b>83.3</b>
Silica (SiO <sub>2</sub> ) .....	<b>2.4</b>
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) .....	<b>0.1</b>
Lime (CaO) .....	<b>0.2</b>
Chromic Oxide (Cr <sub>2</sub> O <sub>3</sub> ) .....	<b>10.0</b>
Alkalis .....	<b>0.2</b>
Other .....	<b>3.8</b>

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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