



PRODUCT DATA

Brand Name: **RESCAL 10 CR**

Description: **Burned Alumina Chrome Brick**

<u>Physical Data: (Typical)</u>	<u>English Units</u>	<u>SI Units</u>
	<u>lb/ft³</u>	<u>kg/m³</u>
<u>Bulk Density (lb/ft³) :</u>	198	3172
<u>Apparent Porosity (%) :</u>	17.4	17.4
	<u>lb/ft²</u>	<u>N/mm²</u>
<u>Modulus of Rupture (psi)</u> At 70°F (21°C)	2470	17.0
<u>Cold Crushing Strength (psi)</u> At 70°F (21°C)	16,780	115.7
<u>Permanent Linear Change (%)</u> After Firing to 2900°F (1593°C) :	-0.5	-0.5
<u>Hot Modulus of Rupture (psi)</u> At 2700°F (1482°C) :	2530	17.4
<u>Typical Chemical Analysis (%)</u>		
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	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 specification. 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.

RESCO PRODUCTS disclaims any express or implied warranties based on this sheet.

02/05/08 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