



# PRODUCT DATA

Brand Name:

**RESCORAM 20CR**

Description: RESCORAM 20CR is a Phosphate-Bonded Alumina-Chrome Plastic that contains 20% chromic oxide, for increased slag and corrosion resistance.

Physical properties shown are average values of samples taken under controlled conditions  
ASTM test methods used where applicable

Maximum Service Temperature: 3300°F (1816°C)

	Ramming Data	
<b>Bulk Density (pcf)</b>		
As Received	207	(3.31 g/cm <sup>3</sup> )
After 1500°F (815°C)	178	(2.85 g/cm <sup>3</sup> )
After 2500°F (1370°C)	180	(2.88 g/cm <sup>3</sup> )
<b>Modulus of Rupture (psi)</b>		
After 1500°F (815°C)	1000	(70 kg/cm <sup>2</sup> )
After 2500°F (1370°C)	900	(63 kg/cm <sup>2</sup> )
<b>Permanent Linear Change (%)</b>		
220°F (540°C) to 1500°F (815°C)	-0.2	
220°F (540°C) to 2500°F (1370°C)	-0.2	
<b>Typical Chemical Analysis (%)</b> (Calcined Basis)		
Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	70.7	
Silica (SiO <sub>2</sub> ) .....	4.3	
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) .....	0.2	
Lime+Magnesia (CaO+MgO) .....	0.4	
Chromic Oxide (Cr <sub>2</sub> O <sub>3</sub> ) .....	21.1	
Phosphorus Pentoxide (P <sub>2</sub> O <sub>5</sub> ) .....	3.1	
Alkalies (Na <sub>2</sub> O+K <sub>2</sub> O) .....	0.2	

Standard Packaging: 55 lb carton. 64 cartons per pallet

Brand Code: 0559

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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