



Plastics and Ramming Mixes

Product Data

RESCORAM 7 CR

RESCORAM 7 CR is a high alumina, phosphate-bonded plastic with 7% chromic oxide that is used throughout the metals producing industries. **RESCORAM 7 CR'S** chemical bond develops high strength at lower temperatures. This property makes it ideal for application where there is insufficient heat to develop the ceramic bond required in heat-setting plastics.

Maximum Service Temperature: 3100°F (1704°C)

Bulk Density: (As installed) 173 lbs/ft³ (2768 kg/m³)

Modulus of Rupture:

1500°F (815°C) 1300 psi (91 kg/cm²)

2500°F (1370°C) 1900 psi (133 kg/cm²)

Erosion Loss: ASTM C-704 Less than 10 cc
(Typical: 6 - 8 cc)

Drying Shrinkage (green - 220°F): 1.7 %

Permanent Linear Change (%):

(220°F to fired)

1500°F (815°C) - 0.30

2500°F (1370°C) - 0.20

Typical Chemical Analysis(%):

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	MgO	Cr ₂ O ₃	Alkalies	P ₂ O ₅
78.2	7.5	1.2	2.2	0.1	0.3	7.1	0.3	3.1

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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