



PRODUCT DATA

Brand Name: GREENFREE 92

Description: GREENFREE 92 is a high fired, chrome free magnesia brick with excellent resistance to chemical attack and high thermal loading. GREENFREE 92 has good structural flexibility which provides enhanced thermal shock properties and makes the product suitable for cement burning zones or burning zone/transition zone margins and burning zones of rotary lime kilns.

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

Bulk Density (pcf)

As Received 173 (2.77 g/cm³)

Modulus of Rupture (psi)

At 70°F (21°C) 780 (54.6 kg/cm²)

Cold Crushing Strength (psi)

At 70°F (21°C) 5480 (383.6 kg/cm²)

Apparent Porosity (%)

As Received 20.9

Typical Chemical Analysis (%)

(Calcined Basis)

Magnesia (MgO)	91.8
Alumina (Al ₂ O ₃)	4.7
Silica (SiO ₂)	0.9
Iron Oxide (Fe ₂ O ₃)	0.8
Lime (CaO)	1.8

Brand Code: 5488

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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