



PRODUCT DATA

Brand Name: PERECON
Description: BURNED, HYDRATION RESISTANT, MAGNESIA BRICK

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

Bulk Density (pcf)

As Received 176 (2.82 g/cm³)

Modulus of Rupture (psi)

At 70°F (21°C) 3290 (230 kg/cm²)
At 2300°F (1260°C) 290 (20 kg/cm²)

Cold Crushing Strength (psi)

At 70°F (21°C) 7820 (547 kg/cm²)

Apparent Porosity (%)

As Received 17.7

Permanent Linear Change (%)

After 3000°F (1650°C) -0.3

Typical Chemical Analysis (%)

(Calcined Basis)

Magnesia (MgO)	94.8
Alumina (Al ₂ O ₃)	0.4
Silica (SiO ₂)	1.9
Iron Oxide (Fe ₂ O ₃)	1.0
Lime (CaO)	1.7
Titania (TiO ₂)	Trace
Boric Oxide (B ₂ O ₃)	0.2

Brand Code: 2543

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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