



PRODUCT DATA

Brand Name: N/R® 1202

Description: A 60% MgO conventional direct-bonded brick with low silica, good hot strengths and moderately low porosity. Recommended for various metallurgical applications including steel ladles and ladle furnaces, degassers, electric furnace sidewalls and slaglines and copper-nickel converters.

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

Bulk Density (pcf)

As Received 192 (3.06 g/cm³)

Modulus of Rupture (psi)

At 70°F (21°C) 740 (51.8 kg/cm²)
At 2700°F (1480°C) 540 (37.8 kg/cm²)

Apparent Porosity (%)

As Received 13.4

Typical Chemical Analysis (%)

(Calcined Basis)

Magnesia (MgO)	62.6
Chrome Oxide (Cr ₂ O ₃)	17.6
Alumina (Al ₂ O ₃)	6.2
Lime (CaO)	1.1
Iron Oxide (Fe ₂ O ₃)	10.8
Silica (SiO ₂)	1.7

Brand Code: 1387

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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