



PRODUCT DATA

Brand Name: **NUCON**
Description: BURNED, MAGNESITE-CHROME BRICK

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

Bulk Density (pcf)

As Received 191 (3.06 g/cm³)

Modulus of Rupture (psi)

At 70°F (21°C) 620 (43.4 kg/cm²)

Cold Crushing Strength (psi)

At 70°F (21°C) 4090 (286 kg/cm²)

Apparent Porosity (%)

As Received 18.2

Typical Chemical Analysis (%)

(Calcined Basis)

Magnesia (MgO)	70.2
Chromic Oxide (Cr ₂ O ₃)	14.1
Iron Oxide (Fe ₂ O ₃)	8.2
Silica (SiO ₂)	1.4
Lime (CaO)	0.7
Alumina (Al ₂ O ₃)	5.2
Titania (TiO ₂)	0.2

Brand Code: 2491

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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