



# PRODUCT DATA

**Brand Name:** **NUCON 80**  
**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 183 (2.93 g/cm<sup>3</sup>)

**Modulus of Rupture (psi)**

At 70°F (21°C) 810 (56.7 kg/cm<sup>2</sup>)

**Apparent Porosity (%)**

As Received 17.6

**Typical Chemical Analysis (%)**

(Calcined Basis)

Magnesia (MgO) .....	80.1
Chromic Oxide (Cr <sub>2</sub> O <sub>3</sub> ) .....	8.1
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) .....	5.3
Silica (SiO <sub>2</sub> ) .....	1.7
Lime (CaO) .....	1.4
Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	3.2

Brand Code: 2501

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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