



# PRODUCT DATA

**Brand Name:** LO-SIL SUPER  
**Description:** SPECIAL HIGH ALUMINA BRICK FOR ALUMINUM CONTACT

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/cm<sup>3</sup>)

**Modulus of Rupture (psi)**

At 70°F (21°C) 3050 (213.5 kg/cm<sup>2</sup>)

**Cold Crushing Strength (psi)**

At 70°F (21°C) 16500 (1155 kg/cm<sup>2</sup>)

**Permanent Linear Change (%)**

After 2910°F (1600°C) +2.0

**Apparent Porosity (%)**

As Received 16.5

**Typical Chemical Analysis (%)**

(Calcined Basis)

Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	91.4
Magnesia (MgO) .....	0.1
Silica (SiO <sub>2</sub> ) .....	4.9
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) .....	0.3
Lime (CaO) .....	2.6
Titania (TiO <sub>2</sub> ) .....	0.3
Alkalis (Na <sub>2</sub> O+K <sub>2</sub> O) .....	0.4

Brand Code: 1368

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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