



# PRODUCT DATA

**Brand Name:** RESCOMAG™ 92 FMS

**Description:** RESCOMAG 92 FMS is a burned magnesite-spinel brick kiln liner made of corrosion resistant magnesite and a low content of synthetic magnesia-alumina spinel grain. RESCOMAG 92 FMS exhibits exceptionally good thermal shock resistance and volume stability at high temperatures. RESCOMAG 92 FMS is designed for high wear areas of the lower transition zones of rotary cement kilns.

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

**Bulk Density (pcf)**

As Received 184 (2.95 g/cm<sup>3</sup>)

**Cold Crushing Strength (psi)**

At 70°F (21°C) 4800 (366 kg/cm<sup>2</sup>)

**Modulus of Rupture (psi)**

At 70°F (21°C) 1180 (82.6 kg/cm<sup>2</sup>)

**Thermal Expansion (%)**

At 2500°F (1400°C) +2.0

**Apparent Porosity (%)**

As Received 16.6

**Typical Chemical Analysis (%)**

(Calcined Basis)

Magnesia (MgO) .....	90.3
Silica (SiO <sub>2</sub> ) .....	0.7
Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	6.4
Iron Oxide+Titania (Fe <sub>2</sub> O <sub>3</sub> +TiO <sub>2</sub> ) .....	0.7
Lime (CaO) .....	1.9

Brand Code: 6865

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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