



## Brick

### Product Data

#### RESCOMAG™ 92 FMS

**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.

<u>Physical Data: (Typical)</u>	<u>English Units</u>	<u>SI Units</u>
Bulk Density – ASTM C20	$\frac{\text{lb/ft}^3}{182}$	$\frac{\text{g/cm}^3}{2.91}$
Apparent Porosity – ASTM C20	18.4%	
Modulus of Rupture – ASTM C133 At 70°F (21°C)	$\frac{\text{lb/in}^2}{1000}$	$\frac{\text{MPa}}{6.9}$
Crushing Strength – ASTM C133 At 70°F (21°C)	4800	33
Thermal Expansion 2500°F (1400°C)	2.0%	
<u>Chemical Analysis: (Approximate)</u> (Calcined Basis)		
Magnesia	(MgO)	91.7%
Alumina	(Al <sub>2</sub> O <sub>3</sub> )	5.9%
Silica	(SiO <sub>2</sub> )	0.3%
Iron Oxide plus Titania	(Fe <sub>2</sub> O <sub>3</sub> and TiO <sub>2</sub> )	0.4%
Lime	(CaO)	1.7%

The properties shown on this data sheet represent typical average results generated 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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