



PRODUCT DATA

Brand Name:

RESCOMAG™ 85 FMS

Description: RESCOMAG 85 FMS is a burned magnesite-spinel kiln liner made of corrosion resistant magnesite and a high content of synthetic spinel grain. RESCOMAG 85 FMS exhibits exceptionally good thermal shock resistance and volume stability at high temperatures. RESCOMAG 85 FMS is appropriate for the upper and 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 (2.94 g/cm³)

Cold Crushing Strength (psi)

At 70°F (21°C) 4800 (336 kg/cm²)

Modulus of Rupture (psi)

At 70°F (21°C) 800 (56 kg/cm²)

Apparent Porosity (%)

As Received 16.5

Typical Chemical Analysis (%)

(Calcined Basis)

Magnesia (MgO)	82.7
Alumina (Al ₂ O ₃)	14.6
Silica (SiO ₂)	0.7
Iron Oxide+Titania (Fe ₂ O ₃ +TiO ₂)	0.7
Lime (CaO)	1.3

Brand Code: 7457

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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