



PRODUCT DATA

Brand Name: EXCELINE™ FG

Description: EXCELINE™ FG is a very low silica, low porosity direct-bonded brick, produced from fused magnesia-chrome spinel grain, high purity periclase and a chromia addition. It has excellent corrosion and thermal shock resistance.

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

Bulk Density (pcf)

As Received 204 (3.32 g/cm³)

Cold Crushing Strength (psi)

At 70°F (21°C) 9270 (107.8 kg/cm²)

Modulus of Rupture (psi)

At 70°F (21°C) 1130 (107.8 kg/cm²)
At 2700°F (1482°C) 940 (86.1 kg/cm²)

Apparent Porosity (%)

As Received 15.3

Typical Chemical Analysis (%)

(Calcined Basis)

Magnesia (MgO)	58.5
Alumina (Al ₂ O ₃)	6.3
Silica (SiO ₂)	0.8
Iron Oxide (Fe ₂ O ₃)	11.5
Chromic Oxide (Cr ₂ O ₃)	21.9
Lime (CaO)	1.0

Brand Code: 1287

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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