



PRODUCT DATA

Brand Name:

NULINE 51-87

Description:

RESIN BONDED, MAGNESIA-CARBON BRICK
Fused Grain

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

Bulk Density (pcf)

As Received	183	(2.93 g/cm ³)
After Coking	177	(2.84 g/cm ³)

Modulus of Rupture (psi)

At 70°F (21°C)	1670	(117 kg/cm ²)
At 2000°F (1093°C)	1030	(72.1 kg/cm ²)

Cold Crushing Strength (psi)

At 2800°F (1538°C)	1120	(78.4 kg/cm ²)
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Coked Porosity (%)

After Coking	10.7
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Total Carbon (%)

After Coking	18.0
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Typical Chemical Analysis (%)

(Calcined Basis)

Magnesia (MgO)	95.9
Silica (SiO ₂)	0.9
Alumina (Al ₂ O ₃)	0.8
Lime (CaO)	1.8
Iron Oxide (Fe ₂ O ₃)	0.6

Brand Code: 1942

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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