



# PRODUCT DATA

Brand Name:

**NULINE 39-89**

Description:

RESIN BONDED, MAGNESIA-CARBON BRICK  
Fused Grain and Tar Impregnated

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 <sup>3</sup> )
After Coking	179	(2.87 g/cm <sup>3</sup> )

**Modulus of Rupture (psi)**

At 70°F (21°C)	2100	(147 kg/cm <sup>2</sup> )
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**Coked Porosity (%)**

After Coking	11.2
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**Total Carbon (%)**

After Coking	18.7
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**Typical Chemical Analysis (%)**

(Calcined Basis)

Magnesia (MgO) .....	96.1
Silica (SiO <sub>2</sub> ) .....	1.2
Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	0.2
Lime (CaO) .....	1.8
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) .....	0.7

Brand Code: 1867

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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