



# Brick

## Product Data

### NULINE 2-99

Classification: Resin Bonded, Magnesia-Carbon Brick  
13% Carbon Class  
Fused Grain and Antioxidant Additions

<u>Physical Data: (Typical)</u>	<u>English Units</u>	<u>SI Units</u>
Bulk Density	$\frac{\text{lb}}{\text{ft}^3}$ 186	$\frac{\text{kg}}{\text{m}^3}$ 2,979
Coked Properties		
Density	183	2,930
Porosity	10.2%	
Total Carbon	12.5%	
Crushing Strength	$\frac{\text{lb}}{\text{in}^2}$	$\frac{\text{N}}{\text{mm}^2}$
At 2800°F (1538°C)	3,900	26.9
Modulus of Rupture		
At 70°F (21°C)	2,000	13.8
At 2000°F (1093°C)	2,700	18.6

Chemical Analysis:  
(Approximate)

Silica	(SiO <sub>2</sub> )	0.8%
Alumina	(Al <sub>2</sub> O <sub>3</sub> )	6.9
Iron Oxide	(Fe <sub>2</sub> O <sub>3</sub> )	0.5
Lime	(CaO)	1.1
Magnesia	(MgO)	90.7

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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