



# Brick

## Product Data

### NULINE R-5SA

Classification: Resin Bonded, Magnesia-Carbon Brick  
5 % Carbon Class  
Strength and Antioxidants Additions

<u>Physical Data: (Typical)</u>	<u>English Units</u>	<u>SI Units</u>
Bulk Density	$\frac{\text{lb/ft}^3}{184}$	$\frac{\text{g/cm}^3}{2.94}$
Coked Properties		
Density	180	2.88
Porosity, %	11.0	
Total Carbon, %	4.8	
Modulus of Rupture	$\frac{\text{lb/in}^2}{2900}$	$\frac{\text{MPa}}{20.01}$
At 70°F (21°C)		

Chemical Analysis %: (Approximate)  
(Calcined Basis)

Silica	(SiO <sub>2</sub> )	3.5%
Alumina	(Al <sub>2</sub> O <sub>3</sub> )	4.2
Iron Oxide	(Fe <sub>2</sub> O <sub>3</sub> )	0.2
Lime	(CaO)	1.7
Magnesia	(MgO)	90.4

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.

RESCO PRODUCTS disclaims any express or implied warranties based on this sheet.

2/5/2008 is the date that this data sheet was updated. Check with your RESCO sales representative or RESCO website to determine you have the current sheet