



# Brick

## Product Data

### NULINE 39-89

Classification: Resin Bonded, Magnesia - Carbon Brick  
20 % Carbon Class - Part Fused Magnesia  
Tar Impregnated

Physical Data: (Typical)

English Units

Bulk Density, pcf	185
Coked Properties	
Density, pcf	179
Porosity, %	10.0
Total Carbon, %	17.9
Crushing Strength, psi	
At 2800°F (1538°C)	2,190
Modulus of Rupture, psi	
At 70°F (21°C)	2,910
At 2000°F (1093°C)	1,720

Chemical Analysis: (Approximate)  
(Calcined Basis)

Silica	(SiO <sub>2</sub> )	0.8 %
Alumina	(Al <sub>2</sub> O <sub>3</sub> )	0.3
Iron Oxide	(Fe <sub>2</sub> O <sub>3</sub> )	0.8
Lime	(CaO)	2.2
Magnesia	(MgO)	95.9

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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