



Brick

Product Data

NULINE 3-99

Classification: Resin Bonded, Magnesia-Carbon Brick
15 % Carbon Class – Fused Grain
Strength and Antioxidant Additions

<u>Physical Data: (Typical)</u>	<u>English Units</u>	<u>SI Units</u>
Bulk Density	<u>lb/ft³</u> 184	<u>g/cm³</u> 2.95
Coked Properties		
Density	181	2.90
Porosity	10.5%	
Nominal Carbon	14.0%	
Modulus of Rupture	<u>lb/in²</u>	<u>MPa</u>
At 70°F (21°C)	1,900	13.1
At 2000°F (1093°C)	3,800	26.2
Crushing Strength		
At 2800°F (1538°C)	4,500	31.0
<u>Chemical Analysis:</u> (Approximate)		
Silica	(SiO ₂)	0.5%
Alumina	(Al ₂ O ₃)	7.4
Iron Oxide	(Fe ₂ O ₃)	0.4
Lime	(CaO)	1.1
Magnesia	(MgO)	90.6

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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