



Brick

Product Data

NULINE 16-91

Classification: Resin Bonded, Magnesia - Carbon Brick
10 % Carbon Class – Part Fused Magnesia
Strength and Antioxidant Additions

<u>Physical Data: (Typical)</u>	<u>English Units</u> <u>lb/ft³</u>	<u>SI Units</u> <u>kg/m³</u>
Bulk Density	186	2,979
Coked Properties		
Density	181	2,899
Porosity, %	10.8	10.8
Total Carbon, %	9.5	9.5
	<u>lb/in²</u>	<u>N/mm²</u>
Crushing Strength		
At 2800°F (1538°C)	4,300	30
Modulus of Rupture		
At 70°F (21°C)	1,900	13
At 2000°F (1093°C)	1,700	12

Chemical Analysis: (Approximate)
(Calcined Basis)

Silica	(SiO ₂)	0.5 %
Alumina	(Al ₂ O ₃)	6.2
Iron Oxide	(Fe ₂ O ₃)	0.4
Lime	(CaO)	1.6
Magnesia	(MgO)	91.3

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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