



Brick

Product Data

NULINE R-10 SA

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

<u>Physical Data: (Typical)</u>	<u>English Units</u>	<u>SI Units</u>
	<u>lb/ft³</u>	<u>kg/m³</u>
Bulk Density	182	2,915
Coked Properties		
Density	179	2,867
Porosity, %	11.5	11.5
Total Carbon, %	10.1	10.1
	<u>lb/in²</u>	<u>N/mm²</u>
Crushing Strength		
At 2800°F (1538°C)	2,560	18
Modulus of Rupture		
At 70°F (21°C)	1,660	11
At 2000°F (1093°C)	1,870	13
<u>Chemical Analysis: (Approximate)</u> (Calcined Basis)		
Silica	(SiO ₂)	3.5 %
Alumina	(Al ₂ O ₃)	4.8
Iron Oxide	(Fe ₂ O ₃)	0.2
Lime	(CaO)	1.7
Magnesia	(MgO)	89.8

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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