



Brick

Product Data

NULINE R-20[®]

Classification: Magnesia - Carbon Brick Resin Bonded
20 % Carbon Class

<u>Physical Data: (Typical)</u>	<u>English Units</u> <u>lb/ft³</u>	<u>SI Units</u> <u>kg/m³</u>
Bulk Density	180	2,883
Coked Properties		
Density	175	2,803
Porosity, %	10.9	10.9
Total Carbon, %	18.0	18.0
	<u>lb/in²</u>	<u>N/mm²</u>
Crushing Strength		
At 2800°F (1538°C)	1,200	8
Modulus of Rupture		
At 70°F (21°C)	1,520	10
At 2000°F (1093°C)	1,100	8
<u>Chemical Analysis: (Approximate)</u> (Calcined Basis)		
Silica	(SiO ₂)	0.8 %
Alumina	(Al ₂ O ₃)	0.8
Iron Oxide	(Fe ₂ O ₃)	0.4
Lime	(CaO)	1.8
Magnesia	(MgO)	96.2

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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