



Brick

Product Data

OXILINE R TI

Classification: Resin Bonded, Magnesia - Carbon Brick
5 % Carbon Class
Tar Impregnated

<u>Physical Data: (Typical)</u>	<u>English Units</u>	<u>SI Units</u>
	<u>lb/ft³</u>	<u>kg/m³</u>
Bulk Density	195	3,124
Coked Properties		
Density	190	3,043
Porosity, %	8.5	8.5
Total Carbon, %	5.4	5.4
	<u>lb/in²</u>	<u>N/mm²</u>
Crushing Strength, psi At 2800°F (1538°C)	4,470	31
Modulus of Rupture At 70°F (21°C)	4,730	33
At 2000°F (1093°C)	2,200	15

Chemical Analysis: (Approximate)
(Calcined Basis)

Silica	(SiO ₂)	0.3 %
Alumina	(Al ₂ O ₃)	0.2
Iron Oxide	(Fe ₂ O ₃)	0.2
Lime	(CaO)	1.3
Magnesia	(MgO)	98.0

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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