



Brick

Product Data

OXILINE H-SR

Classification: Burned, Spall Resistant, High Purity Magnesite Brick

Physical Data: (Typical)

English Units

SI Units

	<u>lb/ft³</u>	<u>kg/m³</u>
Bulk Density	185	2,963
Apparent Porosity, %	15.9	15.9
	<u>lb/in²</u>	<u>N/mm²</u>
Crushing Strength At 2800°F (1538°C)	2,910	20
Modulus of Rupture At 70°F (21°C)	1,950	13
At 2800°F (1538°C)	1,150	8
Reheat Test Permanent Linear Change, % After Heating at 3140°F (1727°C)		-0.1

Chemical Analysis: (Approximate)

(Calcined Basis)

Silica	(SiO ₂)	0.6 %
Alumina	(Al ₂ O ₃)	0.1
Titania	(TiO ₂)	Trace
Iron Oxide	(Fe ₂ O ₃)	0.1
Lime	(CaO)	1.3
Magnesia	(MgO)	96.0
Zirconia	(ZrO ₂)	1.9

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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