



# Brick

## Product Data

### HARKLASE

Classification: Burned High Purity Magnesite Brick

<u>Physical Data: (Typical)</u>	<u>English Units</u>	<u>SI Units</u>
	<u>lb/ft<sup>3</sup></u>	<u>kg/m<sup>3</sup></u>
Bulk Density	180	2,883
Apparent Porosity, %	17.3	17.3
	<u>lb/in<sup>2</sup></u>	<u>N/mm<sup>2</sup></u>
Crushing Strength At 70°F (21°C)	5,980	41
Modulus of Rupture At 70°F (21°C)	2,410	17
Reheat Test Permanent Linear Change, % After Heating at 3140°F (1727°C)		-0.1
Load Test, 25 psi (1.8 kg/cm <sup>2</sup> ) % Linear Subsidence After Heating at 3300°F (1816°C)		2.2

Chemical Analysis: (Approximate)  
(Calcined Basis)

Silica	(SiO <sub>2</sub> )	0.7 %
Alumina	(Al <sub>2</sub> O <sub>3</sub> )	0.2
Iron Oxide	(Fe <sub>2</sub> O <sub>3</sub> )	0.2
Lime	(CaO)	0.9
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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