



# Technical Data

## LOFERO<sup>®</sup> HM BURNED PERICLASE BRICK

<b>FEATURES</b>	High purity MgO brick with excellent corrosion resistance to basic slags. Has low porosity and high refractoriness and is especially suited for high temperature steelmaking applications, such as electric arc furnace slaglines, hearths and sidewalls.
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<b>PHYSICAL PROPERTIES (ASTM procedures used where applicable)</b>		<u>g/cm<sup>3</sup></u>	<u>lb/ft<sup>3</sup></u>
	Bulk Density:	2.92	181
	Apparent Porosity, %:	16.0	
		<u>kg/cm<sup>2</sup></u>	<u>lb/in<sup>2</sup></u>
	Modulus of Rupture: At Room Temperature	140	2000
	Cold Crushing Strength:	350	5000
	Hot Load Failure @ 25 lb/in <sup>2</sup> :	>1850°C	>3360°F

<b>CHEMICAL ANALYSIS (Ignited)</b>	MgO (Diff.) .....	98.5%
	SiO <sub>2</sub> .....	0.3
	CaO .....	0.8
	Al <sub>2</sub> O <sub>3</sub> .....	0.2
	Cr <sub>2</sub> O <sub>3</sub> .....	Trace
	Fe <sub>2</sub> O <sub>3</sub> .....	0.2

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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