



# TECHNICAL DATA



## S-DOL

BURNED DOLOMITE BRICK for CEMENT KILNS

**FEATURES**  
High purity sintered dolomite that is sized, blended, pressed into a brick shape for rotary kilns, then fired in a high temperature tunnel kiln to create a strong ceramically bonded brick. S-DOL is a standard quality refractory for use in the burning zone of a rotary cement kiln.

<b>PHYSICAL PROPERTIES</b> (ASTM procedures used where applicable)		<u>g/cm<sup>3</sup></u>	<u>lb/ft<sup>3</sup></u>
	Bulk Density:	2.69-2.89	168-180
	Apparent Porosity, %:	15-19	
	Cold Crushing Strength:	<u>N/mm<sup>2</sup></u>	<u>lb/in<sup>2</sup></u>
		>24	>3480
Thermal Conductivity:	<u>BTU/(ft<sup>2</sup>, hr, °F, in)</u>	<u>W/mK</u>	
At 1242 °F (700 °C)	21.5	3.1	
At 1832 °F (1000 °C)	18.7	2.7	

<b>CHEMICAL ANALYSIS</b> (Ignited)	MgO (Diff.) .....	> 38.0%
	SiO <sub>2</sub> .....	< 1.2 %
	CaO .....	< 59 %
	Al <sub>2</sub> O <sub>3</sub> + Mn <sub>3</sub> O <sub>4</sub> .....	< 0.8 %
	Fe <sub>2</sub> O <sub>3</sub> .....	< 1.3 %

**PACKAGING AND STORAGE**

Standard full pallets are packaged in vacuum sealed ALUVAC foil for optimum shelf life. Care should be taken to prevent ALUVAC damage. Store pallets in a dry protected area.

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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