



Technical Data

SK-91 SPINEL BONDED PERICLASE BRICK, BURNED

FEATURES	A patented magnesium-aluminate spinel bonded periclase brick with excellent thermal shock resistance, low porosity, good corrosion resistance and superior high temperature strength. Recommended for titanium smelter roofs and linings of vacuum induction furnaces.
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PHYSICAL PROPERTIES (ASTM procedures used where applicable)		<u>g/cm³</u>	<u>lb/ft³</u>
	Bulk Density:	2.93	183
	Apparent Porosity, %:	16.1	
		<u>kg/cm²</u>	<u>lb/in²</u>
	Modulus of Rupture:		
	At Room Temperature	83.7	1190
At 2300°F (1260°C)	51.2	800	
Hot Load Failure @ 25 lb/in ² :	>1815°C	>3300°F	

CHEMICAL ANALYSIS (Ignited)	MgO (Diff.)	90.5%
	SiO ₂	0.7
	CaO	1.2
	Al ₂ O ₃	7.5
	Fe ₂ O ₃	0.1

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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