



CLAYBURN INDUSTRIES LTD.

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TECHNICAL DATA

CLAYBURN CAST SP 3027E

CLAYBURN CAST SP 3027E is a silica free low cement castable containing a high alumina-magnesia spinel mineralogy. It was designed to be installed by vibra-casting. High refractoriness, excellent hot strength and resistance to molten steel and iron are a few of the unique features. CLAYBURN CAST SP 3027E is recommended for applications in steel ladles, well blocks, impact pads, electric furnace runners, and many other dynamic molten metal contact areas.

SERVICE TEMPERATURE:	3200°F
MATERIAL REQUIRED FOR ESTIMATING:	199 lbs./cu. ft.
CASTING WATER: vibracast	4 - 4.5 %

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	MgO
93	<0.1	<0.1	5

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	% Linear Change
1500	1980	9555	0.22
2500	2930	>12,000	0.22

HOT MODULUS OF RUPTURE (HMOR) @ 2750°F: 2900 psi

162620 - 1/15/04

The data represents typical average results obtained by testing under ASTM or other acceptable procedures as required. They are subject to normal variations and should not be used for specifications.