



LOW CEMENT HANDPACKING GRADES

PRODUCT DATA

VIBROCAST 70SC HP

VIBROCAST 70SC HP IS A SILICON CARBIDE BASED LOW CEMENT CASTABLE SPECIFICALLY DESIGNED FOR INSTALLATION BY HAND PACKING. ITS HIGH THERMAL CONDUCTIVITY MAKES IT IDEAL FOR APPLICATIONS WHERE HIGH HEAT TRANSFER IS IMPORTANT. HANDPACK 65 SiC SHOWS EXCELLENT RESISTANCE TO ABRASION, THERMAL SPALLING AND CORROSION, COMBINED WITH SUPER HIGH FIRED STRENGTHS.

THE DATA SHOWN IS BASED ON MATERIAL PREPARED TO A PUTTY LIKE FOLD CONSISTANCY AND HAND PACKED INTO FORMWORK

<u>MAXIMUM SERVICE TEMPERATURE (M.S.T.)</u>				1500°C	
<u>BULK DENSITY</u>					<u>TYPICAL (METRIC)</u>
@ 110°C	165 - 171	LBS/FT ³	2643 - 2739	KG/M ³	(2707)
@ 815°C	163 - 169	LBS/FT ³	2611 - 2707	KG/M ³	(2675)

<u>COLD CRUSHING STRENGTH</u>					
@ 815°C	8000 - 12000	P.S.I.	552 - 828	KG/CM ²	(1030)

<u>PERMANENT LINEAR CHANGE</u>					
@ 815°C		- 0.00 TO	- 0.30 %		(-0.20)

<u>EROSION LOSS (ASTM C-704)</u>				<u>TYPICAL</u>
@ 815°C	8 CC	MAX		(4 CC)

<u>CONDUCTIVITY OR "K" FACTOR</u>		
<u>MEAN TEMP</u>	<u>BTU/FT²/Hr/°F/in</u>	<u>W/mK</u>
@ 540°C	41.6	6.0
@ 1095°C	45.0	7.0

<u>TYPICAL CHEMICAL ANALYSIS (%)</u>						
AL ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	SiC	TiO ₂	ALK
22.4	5.9	0.1	1.4	70.0	---	0.2

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