CENTURION REFRACTORIES(PTY) LTD

PRODUCT DATA

PRODUCT NAME	**CENTURCAST 16 SC**	
CHEMICAL ANALYSIS		
SiO_2	%	32.20
Al_2O_3	%	51.01
Fe_2O_3	%	1.20
TiO_2	%	0.20
CaO + MgO	%	2.0
$K_2O + Na_2O$	%	0.20
SiC	%	14
PHYSICAL PROPERTIES		
Bulk Density Dried @ 110 °C	g/cm3	2.65
Cold Crushing Strength Dried @ 110 °C	Mpa	70.00
Cold Crushing Strength Fired to 1000 °C	Mpa	98.00
Maximum Particle Size	mm	6
Maximum Service Temperature	°C	1700
Permanent Linear change fired to 1000 °C	%	+0.20
Thermal Expansion @ 1000 °C	%	0.72
Thermal Conductivity @ 1000 °C	W/mK	2.05
ADDITIONAL INFORMATION		
Water Addition	%	5 – 6
Shelf Life	months	6
Packaging Size	kg	25
No. bags per pallet		40

DESCRIPTION

Low cement, high temperature castable with SiC addition.

APPLICATION

For vibration casting to 1700°C in high wear areas.