CENTURION REFRACTORIES(PTY) LTD

PRODUCT DATA

PRODUCT NAME	**Centurcast AC 80**	
CHEMICAL ANALYSIS		
SiO_2	%	11
Al_2O_3	%	77
Fe_2O_3	%	1.60
TiO_2	%	-
CaO + MgO	%	7.4
$K_2O + Na_2O$	%	0.5
PHYSICAL PROPERTIES		
Bulk Density Dried @ 110 °C	g/cm3	2.70
Cold Crushing Strength Dried @ 110 °C	Mpa	<90
Cold Crushing Strength Fired to 1000 °C	Mpa	<100
Maximum Particle Size	mm	4
Maximum Service Temperature	°C	1400
Permanent Linear change fired to 1000 °C	%	+ 0.10
Thermal Expansion @ 1000 °C	%	0.31
Thermal Conductivity @ 1000 °C	W/mK	1.80
ADDITIONAL INFORMATION		
Water Addition	%	6 – 8
Shelf Life	months	6
Packaging Size	kg	25
No. bags per pallet		40

DESCRIPTION

A high wear castable with calcined Bauxite aggregate.

APPLICATION

Vibration casting to 1400 °C in places where high strength is required.