

# CENTURION REFRACTORIES<sub>(PTY) LTD</sub>

## PRODUCT DATA

PRODUCT NAME		CENTURCAST 143
CHEMICAL ANALYSIS		
SiO <sub>2</sub>	%	0.14
Al <sub>2</sub> O <sub>3</sub>	%	98.8
Fe <sub>2</sub> O <sub>3</sub>	%	0.07
CaO + MgO	%	0.07
K <sub>2</sub> O + Na <sub>2</sub> O	%	0.37
PHYSICAL PROPERTIES		
Bulk Density Dried @ 110 °C	g/cm3	3.20
Cold Crushing Strength Dried @ 110 °C	Mpa	95
Cold Crushing Strength Fired to 1000 °C	Mpa	>100
Maximum Particle Size	mm	6
Maximum Service Temperature	°C	1900
Permanent Linear change fired to 1000 °C	%	0
Thermal Expansion @ 1000 °C	%	-
Thermal Conductivity @ 1000 °C	W/mK	2.4
ADDITIONAL INFORMATION		
Water Addition	%	5 – 6
Shelf Life	months	6
Packaging Size	kg	25
No. bags per pallet		40
DESCRIPTION		
Pure Alumina, cement free castable.		
APPLICATION		
Where hot strength and wear resistance at high temperatures are required. Specialised applications.		

THIS DATA IS BASED ON AVERAGE VALUES AND SHOULD NOT BE TAKEN AS A GUARANTEED SPECIFICATION. IT IS SUBJECT TO REASONABLE VARIATION.

WHERE A PROPERTY IS CRITICAL, CONFIRMATION SHOULD BE OBTAINED FROM CENTURION REFRACTORIES.

