

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

## PRODUCT DATA

PRODUCT NAME		CENTURLITE 11 HS	
CHEMICAL ANALYSIS			
		Typical Values	Range
SiO <sub>2</sub>	%	34.0	33 - 35
Al <sub>2</sub> O <sub>3</sub>	%	37.0	36 - 38
Fe <sub>2</sub> O <sub>3</sub>	%	7.0	6 - 9
TiO <sub>2</sub>	%	0.8	0.6 - 1.0
CaO + MgO	%	18.0	17 -19
K <sub>2</sub> O + Na <sub>2</sub> O	%	1.5	1.3 - 1.8
PHYSICAL PROPERTIES			
Bulk Density Dried @ 110 °C	g/cm <sup>3</sup>	< 0.8	
Cold Crushing Strength Dried @ 110 °C	Mpa	> 4.0	
Maximum Particle Size	mm	≤ 6	
Maximum Service Temperature	°C	1100	
Permanent Linear change fired to 1000 °C	%	< 0.15	
Thermal Conductivity @ 1000 °C	W/mK	< 0.3	
ADDITIONAL INFORMATION			
Water Addition	%	40 -50	
Shelf Life	months	6	
Packaging Size	kg	10	
No. bags per pallet		60	
DESCRIPTION			
High strength Vermiculite insulation castable.			
APPLICATION			
Where good strength insulation is required up to 1100 °C.			

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.