



# AZAR SHAHAB REFRACTORIES CO. ARCASTA85ULCC

## General Properties

<b>Classification</b> .....	High Alumina Castable
<b>Description</b> .....	Ultra Low Cement Hydraulic Bonded Refractory Castable
<b>Raw Material Basis</b> .....	Bauxite
<b>Bond</b> .....	Hydraulic
<b>Installing Method</b> .....	Casting / Vibrating
<b>Packaging</b> .....	25 kg net weight multi proof sacks
<b>Storage Life (Month)</b> .....	9
<b>Grain Size (mm)</b> .....	Max 6
<b>Water Required (%)</b> .....	5.0-7.0

## Main Chemical Component

Al <sub>2</sub> O <sub>3</sub> (%)	SiO <sub>2</sub> (%)	Fe <sub>2</sub> O <sub>3</sub> (%)	CaO (%)
84	11	2	1.2

## Physical & Thermal Properties

<b>Maximum Service Temperature (°C)</b> .....	1780
<b>Bulk Density at 110 °C (gr/cm<sup>3</sup>)</b> .....	2.75-2.95
<b>Cold Crushing Strength (kg/cm<sup>2</sup>)</b>	
After Drying at 110 °C .....	700-900
After Firing at 1400 °C.....	800-1000
<b>Permanent Linear Change (%)</b>	
After Drying at 110 °C .....	Negligible
After Firing at 1000 °C .....	(-0.2) to (+0.2)

All data subject to reasonable deviation and therefore, should not be used for specification purposes.

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