



## AZAR SHAHAB REFRACTORIES CO.

### ARCAST 25E

#### General Properties

<b>Classification</b> .....	Insulating Castable
<b>Description</b> .....	Light Weight Hydraulic Bonded Refractory Castable
<b>Raw Material Basis</b> .....	Diatomite
<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 5
<b>Water Required (%)</b> .....	30-40

#### Main Chemical Component

Al <sub>2</sub> O <sub>3</sub> (%)	SiO <sub>2</sub> (%)	Fe <sub>2</sub> O <sub>3</sub> (%)	CaO (%)
40	44	1.5	10.5

#### Physical & Thermal Properties

<b>Maximum Service Temperature (°C)</b> .....	1350
<b>Bulk Density at 1000°C (gr/cm<sup>3</sup>)</b> .....	1.40-1.60
<b>Cold Crushing Strength (kg/cm<sup>2</sup>)</b>	
After Drying at 110 °C .....	25-35
After Firing at 1000 °C.....	20-30
<b>Permanent Linear Change (%)</b>	
After Drying at 110 °C .....	(-0.3) to (-0.1)
After Firing at 1000 °C .....	(-0.6) to (-0.2)
<b>Thermal Conductivity (w/m°K) at 800 °C</b> .....	0.44

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

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