

**AREFCO**

# Arak Refractories

## Arefcast 130

### Isulating Castable

<b>Physical Properties</b>	<b>Standard Test Method</b>	<b>Value</b>
Max Service Temperature (c°)		1300
Material Basis	Light Weight Fire Clay	
Bulk Density (g/Cm <sup>3</sup> )@110°C	ASTM C20	0.95±0.03
Cold Crushing Strength (kg/Cm <sup>2</sup> )@110°C @1220°C	ASTM C133	15 - 20
		130 - 140
Modulus of Rupture (kg/Cm <sup>2</sup> )@110°C @1220°C	ASTM C133	≥ 8
		≥ 30
Permanent Linear Change @1200°C for 24 hourd (%)	ASTM C269-70	≤ 2
Approximate amount of water required (liters/25 Kg)		9 - 10

### **Chemical Analysis (Wt %)**

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	CaO	Na <sub>2</sub> O + K <sub>2</sub> O	L.O.I
32 - 36	50 - 54	≤ 4	8 - 9	≤ 2	1 - 2