

## Arefcast 160

### Insulating Castable

Physical Properties		Standard Test Method	Value		
Max Service Temperature (°C)			1600		
Material Basis		Light Weight Fire Clay			
Bulk Density (g/Cm³) @ 110°C		ASTM C20	1.00 ± 0.03		
Cold Crushing Strength (Kg/Cm²) @ 110°C  @ 1450°C		ASTM C133	25 - 40		
			220 - 250		
Modulus of Rupture (Kg/Cm²) @ 110°C  @ 1450°C		ASTM C133	≥ 8		
			≥ 50		
Permanent Linear Change @ 1480°C for 24 hours (%)		ASTM C269-70	~ 0.0		
Approximate amount of water required (liters/25 Kg)			10 - 12		
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
47 - 50	45 - 48	≤ 0.6	≤ 1	≤ 0.4	< 1 - 2