

Arefcast 140

Insulating Castable

Physical Properties		Standard Test Method	Value		
Max Service Temperature (°C)			1400		
Material Basis		Light Weight Fire Clay			
Bulk Density (g/Cm³) @ 110°C		ASTM C20	1.25 ± 0.03		
Cold Crushing Strength (Kg/Cm²) @ 110°C @ 1280°C		ASTM C133	45 - 50		
			180 - 200		
Modulus of Rupture (Kg/Cm²) @ 110°C @ 1280°C		ASTM C133	≥ 10		
			≥ 45		
Permanent Linear Change @ 1280°C for 24 hours (%)		ASTM C269-70	≤ 1.5		
Approximate amount of water required (liters/25 Kg)			8 - 10		
Chemical Analysis (Wt %)					
Al₂O₃	SiO₂	Fe₂O₃	CaO	Na₂O + K₂O	L.O.I
≥ 37	< 42	~ 6	~ 12	~ 0.8	< 1 - 2