



TECHNICAL DATA

CLAYBURN LITE CAST 28-80/AL

CLAYBURN LITE CAST 28-80/AL is a strong 2800°F insulating castable developed specially for aluminum contact applications. Volume stability and low thermal conductivity gives a thermally efficient lining with minimal cracking. CLAYBURN LITE CAST 28-80/AL has a density of 80 pounds per cubic foot. It has passed the “CIREP Corrosion/Immersion Test” for aluminum.

SERVICE TEMPERATURE: 2800°F
MATERIAL REQUIRED FOR ESTIMATING: 80 lbs./cu. ft.
CASTING WATER (Approx. by Wt.): 25-28%

TYPICAL CHEMICAL ANALYSIS

(Calcined Basis)

| Al ₂ O ₃ | SiO ₂ | Fe ₂ O ₃ | TiO ₂ | MgO | CaO | Alkalies | Other |
|--------------------------------|------------------|--------------------------------|------------------|-----|-----|----------|-------|
| 51.4 | 37.4 | 1.0 | 0.8 | 0.4 | 7.6 | 1.2 | Nil |

TYPICAL PHYSICAL PROPERTIES

| Prefired to °F | Modulus of Rupture, psi | Cold Crushing Strength, psi | Linear Change % |
|----------------|-------------------------|-----------------------------|-----------------|
| 275 | 590 | 2,580 | -0.1 |
| 1500 | 375 | 1,420 | -0.2 |

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ALL DATA SUBJECT TO REASONABLE DEVIATION AND THEREFORE SHOULD NOT BE USED FOR SPECIFICATION PURPOSES