



RENO REFRACTORIES, INC

ASAP CAST 50 LC-MC

TECHNICAL DATA SHEET

ASAP CAST 50 LC-MC is a low moisture, low cement, coarse aggregate, super duty castable for service up to 3000°F. This product has superior strength and abrasion resistance as compared to conventional castables of the same classification.

SERVICE TEMPERATURE: 3000°F
MATERIAL REQUIRED FOR ESTIMATING: 145 lbs/cu.ft.
CASTING WATER: 6.5-7.25%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

| Al ₂ O ₃ | SiO ₂ | Fe ₂ O ₃ | TiO ₂ | MgO | CaO | Alkalies | Other |
|--------------------------------|------------------|--------------------------------|------------------|-----|-----|----------|-------|
| 48.8 | 46.4 | 0.8 | 1.4 | 0.1 | 2.1 | 0.2 | 0.2 |

TYPICAL PHYSICAL PROPERTIES

| Prefired to °F | Modulus of Rupture, psi | Cold Crushing Strength, psi | Linear Change % |
|----------------|-------------------------|-----------------------------|-----------------|
| 250 | 1,350 | 4,300 | Nil |
| 1500 | 1,950 | 7,800 | -0.2 |
| 2000 | 2,400 | 12,100 | -0.2 |
| 2500 | 2,000 | 10,500 | +0.9 |

ABRASION LOSS AFTER 1500°F: 5.8 cc

APPARENT POROSITY AFTER 1500°F: 12.5%

HOT MOR @ 1500°F: 2500 psi

HOT MOR @ 2000°F: 3100 psi

PACKAGING: 55 lb. Bags, 72 per Pallet (3960 lbs.)

141600 – 1/14/09

The data presented represents typical average results obtained by testing under ASTM or other acceptable procedures as required. They are subject to normal variations and should not be used for specification purposes.

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