



RENO REFRACTORIES, INC

RENO ASAP PUMP 65 LC

TECHNICAL DATA SHEET

**RENO ASAP PUMP 65 LC** is dense, low cement, high alumina castable. It is Mullite based and has excellent strength, abrasion resistance, volume stability and low porosity. This castable has good workability and is easy to install by casting, pumping or shotcrete. Designed for an accelerated dryout schedule.

**SERVICE TEMPERATURE:** 3100°F  
**MATERIAL REQUIRED FOR ESTIMATING:** 160 lbs./cu. ft.  
**CASTING WATER:** 5.0-6.0%  
**PUMPING WATER:** 5.5-6.5%  
**SHOTCRETE ACCELERANT:** 1.25% Sodium Nitride

**TYPICAL CHEMICAL ANALYSIS** (Calcined Basis)

|                                |                  |                                |                  |      |           |       |
|--------------------------------|------------------|--------------------------------|------------------|------|-----------|-------|
| Al <sub>2</sub> O <sub>3</sub> | SiO <sub>2</sub> | Fe <sub>2</sub> O <sub>3</sub> | TiO <sub>2</sub> | MgO  | CaO       | Other |
| 63 - 66                        | 30 - 33          | <1.0                           | <1.7             | <0.2 | 2.0 – 3.5 | 0.2   |

**TYPICAL PHYSICAL PROPERTIES**

| Prefired to °F | Modulus of Rupture, psi | Cold Crushing Strength, psi | Linear Change % |
|----------------|-------------------------|-----------------------------|-----------------|
| 250            | 1,550 - 2,250           | 7,000 – 10,000              | Nil             |
| 1500           | 1,750 - 2,500           | 8,500 – 12,000              | -0.2            |
| 2000           | 2,100 - 2,700           | 15,000 -17,000              | -0.3            |
| 2500           | 2,500 – 3,000           | 17,000 – 20,000             | -0.2            |
| 3000           | 2,750 – 3,200           | >20,000                     | +0.9            |

**ABRASION LOSS AFTER 1500°F:** 6.5 cc

**PACKAGING:** 55 lb. Bags, 72 Per Pallet (3,960 lbs.)  
2000 lb. Bags, 2 Per Pallet (4,000 lbs.)  
500 lb. Bags, 4 Per Pallet (2,000 lbs.)

150101 – 5/24/23

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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