



TECHNICAL DATA

RENO REFRACTORIES

PUMPlt 65

PumpIt 65 is a 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.

SERVICE TEMPERATURE: 3100°F
MATERIAL REQUIRED FOR ESTIMATING: 155 lbs./cu. ft.
CASTING WATER: 5-6%

TYPICAL CHEMICAL ANALYSIS
(Calcined Basis)

| Al ₂ O ₃ | SiO ₂ | Fe ₂ O ₃ | TiO ₂ | MgO | CaO | Alkalies | Other |
|--------------------------------|------------------|--------------------------------|------------------|-----|-----|----------|-------|
| 63.7 | 31.7 | 0.9 | 1.6 | 0.1 | 1.9 | 0.2 | 0.2 |

TYPICAL PHYSICAL PROPERTIES

| Prefired to °F | Modulus of Rupture, psi | Cold Crushing Strength, psi | Linear Change % |
|-------------------|----------------------------|--------------------------------|--------------------|
| 250 | 2990 | 16,500 | Nil |
| 1750 | 4150 | 16,900 | -0.2 |
| 2500 | 4500 | 17,550 | +0.2 |

APP. POROSITY: 7-11% After 1700°F
HOT MOR: at 1700°F - 6100 psi

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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.