



TECHNICAL DATA SHEET

LIQUIBOND 60 is an alumina and Mullite based, chemically bonded refractory castable having excellent thermal shock resistance, high refractoriness and strength at high temperatures.

LIQUIBOND 60 is recommended for aluminum furnace applications such as belly bands, sills and troughs. It also may be used for burner blocks and other special shapes.

SERVICE TEMPERATURE: 3000°F
MATERIAL REQUIRED FOR ESTIMATING: 145 lbs/cf
STORAGE LIFE: 1 year
BINDER ADDITION: 12.5 – 13.5% by weight

TYPICAL CHEMICAL ANALYSIS (includes binder) (Calcined Basis)

Table with 5 columns: Al2O3, SiO2, P2O5, Fe2O3. Values: 63, 28, 3.3, <1

TYPICAL PHYSICAL PROPERTIES

Table with 5 columns: Prefired to °F, Modulus of Rupture, psi, Cold Crushing Strength, psi, 'K' Factor Btu-in/hr-ft² °F, Linear Change %. Rows for 250, 1,500, 2,500, 2,800, 3,000 °F.

HOT MOR @ 2500°F: 535 psi
HOT MOR @ 2700°F: 346 psi

ABRASION LOSS after 1500°F: 8.6 cc
ABRASION LOSS after 2000°F: 2 cc
ABRASION LOSS after 2800°F: 5.8 cc
THERMAL SHOCK RATING , USS CUBE TEST: Excellent

POROSITY after 2500°F: 14.7%

PACKAGING: 50 lb. Bags, 80 per Pallet (4000 lbs.)

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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.