

PRODUCT

**ULTRA-TEK 70 AL GUN MIX**  
**LOWER CEMENT,**  
**ALUMINUM RESISTANT GUN MIX**

**REFRACTORIES**

**TECHNICAL DATA**

PHYSICAL PROPERTIES

Maximum Service Temperature	2800°F
Lbs. Required Dry Mix per Cu. Ft.	153 lbs.
% Water by Weight Required for Gunning	8 - 10%
Bulk Density After Drying	157 lbs./cu.ft.

Modulus of Rupture

After Drying	900 – 1,400 psi
At 1500°F	2,200 – 2,800 psi

Cold Crushing Strength

After Drying	3,500 – 8,000 psi
After 1500°F	6,500 – 9,000 psi

Permanent Linear Change

After 1500°F	0.0 to -0.3%
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Abrasion Loss (ASTM C-704)

After 1500°F	6 - 10 cc
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CHEMICAL ANALYSIS

Silica	[SiO <sub>2</sub> ]	24.4%
Alumina	[Al <sub>2</sub> O <sub>3</sub> ]	67.3%
Iron Oxide	[Fe <sub>2</sub> O <sub>3</sub> ]	0.9%
Lime	[CaO]	2.9%
Titania	[TiO <sub>2</sub> ]	2.8%
Other		0.3%

NOTE: All data subject to reasonable deviation and should not be used for specification purposes.

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