

PRODUCT

**ULTRA-TEK 97 SP**

**SUPERIOR HOT STRENGTH, HIGH PURITY  
ALUMINA PUMPABLE MIX WITH SPINEL**

**REFRACTORIES**

**TECHNICAL DATA**

PHYSICAL PROPERTIES

Maximum Service Temperature	3300°F
Lbs. Required Dry Mix per Cu. Ft.	195 lbs.
Bulk Density After Drying	200 lbs./cu.ft

Modulus of Rupture

After Drying	2500 psi
HMOR At 1500°F	1550 psi
HMOR At 2500°F	3000 psi

Cold Crushing Strength

After 1500°F	7500 psi
After 2600°F	22500 psi

<u>Apparent Porosity After 2500°F</u>	16%
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Permanent Linear Change

After 1500°F	0.0%
After 2600°F	+0.4%

CHEMICAL ANALYSIS

Silica	[SiO <sub>2</sub> ]	<0.1%
Alumina	[Al <sub>2</sub> O <sub>3</sub> ]	97.1%
Magnesium Oxide	[MgO]	1.2%
Iron Oxide	[Fe <sub>2</sub> O <sub>3</sub> ]	<0.1%
Lime	[CaO]	1.4%

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

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