

ULTRA-TEK 80 GUN MIX
LOW CEMENT HIGH ALUMINA GUN MIX

PHYSICAL PROPERTIES

Maximum Service Temperature	3200°F
Lbs. Required Dry Mix per Cu. Ft.	162 lbs.
Bulk Density After Drying	165 lbs./cu.ft.
<u>Cold Crushing Strength</u>	
After Firing to 1500°F	2,000 – 4,000 psi
<u>Modulus of Rupture</u>	
MOR After Drying	400 – 700 psi
HMOR at 1500°F	1,900 – 2,500 psi
HMOR at 2550°F	300 – 500 psi
<u>Permanent Linear Change</u>	
After 1500°F	0.0 to -0.2%
After 2000°F	0.0 to -0.4%
After 2730°F	0.0 to +0.7%

CHEMICAL COMPOSITION

Silica	[SiO ₂]	11.3%
Alumina	[Al ₂ O ₃]	83.0%
Titania	[TiO ₂]	2.5%
Iron Oxide	[Fe ₂ O ₃]	1.0%
Lime	[CaO]	1.9%
Other		0.3%

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

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