

PRODUCT

ULTRA-TEK FS GUN MIX
LOWER CEMENT FUSED SILICA GUN MIX

REFRACTORIES

TECHNICAL DATA

PHYSICAL PROPERTIES

Maximum Service Temperature	2450°F
Lbs. Required Dry Mix per Cu. Ft.	124 lbs.
% Water by Weight Required for Gunning (approx.)	9.5%
Bulk Density After Drying	126 lbs./cu. ft.
Apparent Porosity (Dried to 500°F)	16%
<u>Cold Crushing Strength</u>	
After Drying to 230°F	2500 – 5000 psi
After Firing to 1500°F	3000 – 6000 psi
<u>Modulus of Rupture</u>	
MOR After Drying	800 – 1400 psi
HMOR at 1500°F	900 – 1400 psi
HMOR at 2250°F	1000 – 1600 psi
<u>Abrasion Loss after 1500°F</u>	7 – 11 cc
<u>Permanent Linear Change</u>	
After 1500°F	0.0 to -0.4%
After 2000°F	0.0 to -0.4%
After 2250°F	0.0 to -0.3%

CHEMICAL COMPOSITION

Silica	[SiO ₂]	73.3%
Alumina	[Al ₂ O ₃]	23.5%
Iron Oxide	[Fe ₂ O ₃]	<0.1%
Lime	[CaO]	2.9%
Trace Minerals		0.2%

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

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