

**FUSEDCAST GUN MIX**  
**HIGH PURITY FUSED SILICA GUN MIX**

PHYSICAL PROPERTIES

Maximum Service Temperature	2400°F
Lbs. Required Dry Mix per Cu. Ft.	120 lbs.
% Water by Weight Required for Gunning	Approx. 10%
Bulk Density After Drying at 230°F	123 lbs./cu.ft.
Cold Crushing Strength After Drying at 230°F	3500 psi
MOR After Drying at 230°F	760 psi

Permanent Linear Change

After Drying at 230°F	Negligible
After Heating to 1500°F	-0.2%
After Heating to 1800°F	-0.3%

CHEMICAL ANALYSIS

Silica	[SiO <sub>2</sub> ]	75.3%
Alumina	[Al <sub>2</sub> O <sub>3</sub> ]	17.7%
Iron Oxide	[Fe <sub>2</sub> O <sub>3</sub> ]	0.1%
Lime	[CaO]	6.7%
Other		0.2%

THERMAL CONDUCTIVITY BTU/SQ.FT./HR./°F/IN.

At 500°F	4.0
At 1000°F	4.5
At 1800°F	5.0

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

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