

PRODUCT
IMPACT 84

LOW SILICA, TABULAR ALUMINA GUN MIX

REFRACTORIES

TECHNICAL DATA

PHYSICAL PROPERTIES

Maximum Service Temperature	3000°F
ASTM C-401	Class E
Lbs. Required Dry Mix Per Cu. Ft.	156 lbs.
% Water by Weight Required for Gunning	Approx. 8%
Bulk Density After Drying at 230°F	161 lbs./cu.ft.
Cold Crushing Strength After Drying at 230°F	5600 - 6500 psi
MOR After Drying at 230°F	900 - 1300 psi

Permanent Linear Change

After Drying at 230°F	Negligible
After Heating to 1500°F	0.0 to 0.1%
After Heating to 3000°F	-0.2 to 0.4%

CHEMICAL ANALYSIS

Silica	[SiO ₂]	6.0%
Alumina	[Al ₂ O ₃]	84.4%
Iron Oxide	[Fe ₂ O ₃]	0.41%
Lime	[CaO]	8.7%

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

At 500°F	11.7
At 1500°F	10.1
At 2500°F	10.4

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

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MT. SAVAGE

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