

PRODUCT

BLACK JACK 30 GUN MIX

LOWER CEMENT SILICON CARBIDE CASTABLE

REFRACTORIES

TECHNICAL DATA

PHYSICAL PROPERTIES

Maximum Service Temperature	2800°F
ASTM C-401	Class D
Lbs. Required Dry Mix Per Cu. Ft.	155 lbs.
% Water by Weight Required for Gunning	Approx. 9%
Bulk Density After Drying at 230°F	160 lbs./cu.ft.
MOR After Drying at 230°F	800 - 1400 psi
MOR After Firing at 1500°F	800 - 1200 psi
MOR at 2400°F	500 - 800 psi

Permanent Linear Change

After Drying at 230°F	Negligible
After Heating to 1500°F	+/- 0.2%
After Heating to 2550°F	0.0 to -0.4%

CHEMICAL ANALYSIS

Silicon Carbide [SiC]	29.7%
Silica [SiO ₂]	23.3%
Alumina [Al ₂ O ₃]	43.3%
Iron Oxide [Fe ₂ O ₃]	0.7%
Lime [CaO]	2.8%
Other (alkalies)	0.2%

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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