

PRODUCT
BLACK JACK 15 GUN MIX
LOW CEMENT GUN MIX

REFRACTORIES

TECHNICAL DATA

PHYSICAL PROPERTIES

Maximum Service Temperature	2900°F
Lbs. Required Dry Mix Per Cu. Ft.	140 lbs.
% Water by Weight Required for Pre-Dampening	3% (approx.)
Bulk Density After Drying	145 lbs./cu.ft.

Modulus of Rupture

After Drying	1000 - 1500 psi
At 1500°F	1000 - 1500 psi
At 2550°F	400 - 900 psi

Permanent Linear Change

After 1500°F	0.0 to -0.2%
After 2910°F	0.0 to +0.4%

Abrasion Loss (ASTM C-704)

Dried 230°F	8.0 to 12.0 cc
After 1500°F	9.0 to 14.0 cc

CHEMISTRY

Silica	[SiO ₂]	29.1%
Alumina	[Al ₂ O ₃]	51.4%
Silicon Carbide	[SiC]	14.8%
Iron Oxide	[Fe ₂ O ₃]	0.7%
Lime	[CaO]	2.8%
Trace minerals and Alkalies		1.0%

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

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