

PRODUCT

BLACK JACK 15
SELF FLOW
HIGH DENSITY CASTABLE w/SiC

REFRACTORIES

TECHNICAL DATA

PHYSICAL PROPERTIES

Maximum Service Temperature	3000°F
Lbs. Required Dry Mix per Cu. Ft.	160 lbs.
% Water by Weight Required for Casting (approx.)	6%
Bulk Density After Drying	165 lbs./cu.ft.

Modulus of Rupture

After Drying	1500 – 1800 psi
At 1500°F	2800 – 3500 psi

Cold Crushing Strength

After 1500°F	8500 – 14000
--------------	--------------

Permanent Linear Change

After 1500°F	0.0 to -0.2%
After 2550°F	0.5 to +1.0%

CHEMICAL ANALYSIS

Silica	[SiO ₂]	24.5%
Alumina	[Al ₂ O ₃]	55.9%
Silicon Carbide	[SiC]	14.9%
Iron Oxide	[Fe ₂ O ₃]	0.8%
Lime	[CaO]	1.9%
Titania	[TiO ₂]	1.5%
Trace Minerals & Alkalies		0.5%

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

6080



MT. SAVAGE
SPECIALTY REFRACTORIES COMPANY • Pittsburgh, Pa. 15127 •