

# Mt. Savage Firebrick

17901 Mt. Savage Road NW

Frostburg, MD 21532

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**Scope:**

A 70% high alumina brick formulated to have good strength and low porosity. It will find use mainly in iron and steel contact applications where resistance to molten metal and slag is needed.

**PCE:** 36

**Chemical Analysis (Wt.% - Calcined Basis)**

SiO <sub>2</sub>	24.4
Al <sub>2</sub> O <sub>3</sub>	69.4
TiO <sub>2</sub>	3.1
Fe <sub>2</sub> O <sub>3</sub>	1.5
CaO	0.1
MgO	0.2
Alkalies	0.6
P <sub>2</sub> O <sub>5</sub>	0.7

CLASSIFICATION:

ASTM C-27

METHOD OF MANUFACTURE

Dry Press

MODULUS OF RUPTURE—PSI

1100—1700

APPARENT POROSITY %

16.5—19.5

COLD CRUSHING P. S. I.

4000—7000

BULK DENSITY—lbs/cu ft.

160—165

REHEAT TEST

at 2910° F (1600°C)

2.0%—4% expansion

The data given above are average results of our common sized products and are subject to variation. These results should not be used for specification purposes.