

Mt. Savage Firebrick

17901 Mt. Savage Road NW

Frostburg, MD 21532

Phone: (301) 689-1788 • Fax: (301) 689-1798

Product Data

Scope:

An 80% high alumina brick formulated with select raw materials to produce low porosity, high strength, and excellent resistance to slag and metal. It will find applications in iron and steel ladles, electric furnace roofs, tundish linings, cement and lime kilns, furnace hearths, and a variety of other applications.

PCE: 37 - 38

Chemical Analysis (Wt.% - Calcined Basis)

SiO ₂	14.1
Al ₂ O ₃	79.6
TiO ₂	3.5
Fe ₂ O ₃	1.5
CaO	0.1
MgO	0.2
P ₂ O ₅	0.7
Alkalies	0.3

CLASSIFICATION:

ASTM C-27

METHOD OF MANUFACTURE

Dry Press

MODULUS OF RUPTURE—PSI

1700—2200

APPARENT POROSITY %

15.5—18.5

COLD CRUSHING P. S. I.

7000—11000

BULK DENSITY—lbs/cu ft.

172—176

REHEAT TEST

at 2910° F (1600°C)

4.0%—5.5% 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.