

S-85

Mt. Savage Firebrick

17901 Mt. Savage Road NW
Frostburg, MD 21532

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

Product Data

Scope:

A burned, phosphate bonded 85% high alumina brick exhibiting high strength and abrasion resistance, as well as resistance to metal and slag attack. This brick will find applications in steel ladles, induction furnaces, tundish linings, pocket blocks, aluminum, incinerators, and cement and lime kiln nose rings.

PCE: 38

Chemical Analysis (Wt.% - Calcined Basis)

SiO ₂	8.1
Al ₂ O ₃	83.7
TiO ₂	3.2
Fe ₂ O ₃	1.5
CaO	0.1
MgO	0.2
Alkalies	0.5
P ₂ O ₅	2.7

CLASSIFICATION:

ASTM C-27

METHOD OF MANUFACTURE

Dry Press

MODULUS OF RUPTURE—PSI

2200

APPARENT POROSITY %

15.5—18.5

COLD CRUSHING P. S. I.

5500

BULK DENSITY—lbs/cu ft.

181

REHEAT TEST

at 2910° F (1600°C)

1.0% 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.

M322/01/06