

SAVAGE
SUPER DUTY FIRECLAY BRICK

CLASSIFICATION

ASTM C-27
Super Duty Regular

P.C.E.

Cone 33 – 34

METHOD OF MANUFACTURE

Dry Press

CHEMICAL ANALYSIS (approximate)

Silica	[SiO ₂]	53.9%
Alumina	[Al ₂ O ₃]	42.1%
Titania	[TiO ₂]	1.9%
Iron Oxide	[Fe ₂ O ₃]	1.2%
Alkalies	[Na ₂ O + K ₂ O + Li ₂ O]	0.6%
Magnesia	[MgO]	0.1%
Other		0.2%

MODULUS OF RUPTURE

850 – 1200 psi

COLD CRUSHING STRENGTH

4500 – 5500 psi

BULK DENSITY

138 – 142 lbs./cu.ft.

APPARENT POROSITY

16 – 19%

PERMANENT LINEAR CHANGE

After Heating to 2460°F (1400°C) -0.1% to +0.3%

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

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