

PRODUCT

S-60
HIGH ALUMINA FIREBRICK

REFRACTORIES

TECHNICAL DATA

CLASSIFICATION

ASTM C-27
60% High Alumina

P.C.E.

Cone 34

METHOD OF MANUFACTURE

Dry Press

CHEMICAL ANALYSIS (approximate)

Alumina	[Al ₂ O ₃]	60.0%
Silica	[SiO ₂]	33.1%
Iron Oxide	[Fe ₂ O ₃]	1.6%
Titania	[TiO ₂]	3.2%
Alkalies	[Na ₂ O + K ₂ O + Li ₂ O]	0.5%
Phosphorus Pentoxide	[P ₂ O ₅]	0.5%
Other		1.1%

MODULUS OF RUPTURE

1100 – 1500 psi

COLD CRUSHING STRENGTH

3500 – 6500 psi

BULK DENSITY

151 – 157 lbs./cu.ft.

APPARENT POROSITY

15 – 19%

REHEAT LINEAR CHANGE 2910°F (1600°C)

+1.5% to +2.5%

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

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