

PRODUCT

S-70
HIGH ALUMINA FIREBRICK

REFRACTORIES

TECHNICAL DATA

CLASSIFICATION

ASTM C-27
70% High Alumina

P.C.E.

Cone 36

METHOD OF MANUFACTURE

Dry Press

CHEMICAL ANALYSIS (approximate)

Alumina	[Al ₂ O ₃]	69.4%
Silica	[SiO ₂]	24.4%
Iron Oxide	[Fe ₂ O ₃]	1.5%
Titania	[TiO ₂]	3.1%
Alkalies	[Na ₂ O + K ₂ O + Li ₂ O]	0.6%
Phosphorus Pentoxide	[P ₂ O ₅]	0.7%
Other		0.3%

MODULUS OF RUPTURE

1100 – 1700 psi

APPARENT POROSITY

16.5 – 19.5%

COLD CRUSHING STRENGTH

4000 – 7000 psi

BULK DENSITY

160 – 165 lbs./cu.ft.

REHEAT LINEAR CHANGE 2910°F (1600°C)

+2.0% to +4.0%

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

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