

PRODUCT

S-85
HIGH ALUMINA FIREBRICK

REFRACTORIES

TECHNICAL DATA

CLASSIFICATION

ASTM C-27
85% High Alumina

P.C.E.

Cone 38

METHOD OF MANUFACTURE

Dry Press

CHEMICAL ANALYSIS (approximate)

Alumina	[Al ₂ O ₃]	83.7%
Silica	[SiO ₂]	8.1%
Iron Oxide	[Fe ₂ O ₃]	1.5%
Titania	[TiO ₂]	3.2%
Alkalies	[Na ₂ O + K ₂ O + Li ₂ O]	0.5%
Phosphorus Pentoxide	[P ₂ O ₅]	2.7%
Other		0.3%

MODULUS OF RUPTURE

2800 psi

APPARENT POROSITY

17 – 20%

COLD CRUSHING STRENGTH

14800 psi

BULK DENSITY

181 lbs./cu.ft.

REHEAT LINEAR CHANGE 2910°F (1600°C)

+1.0%

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

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