



RS.AL.70

Type of Product: High Alumina Brick

Physical Properties:

Refractoriness (°C)	1700
Bulk Density (Kg/m ³)	≥ 2350
Porosity (%)	≤ 24
Cold Crushing Strength (Kg/Cm ²)	≥ 360
Modulus of Rupture (Kg/Cm ²)	≥ 70

Thermomechanical Properties:

Linear Change After heating at 1600° C (%)	+1.1 to +1.7
Refractoriness Under load (°C)	> 1425
Reversible Liner Thermal Expansion at 1400°C (%)	Max 0.8

Chemical Analysis (%):

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	Na ₂ O+K ₂ O+LiO ₂
68 - 72	21 - 23	1.7 - 1.9	3.0 - 3.3	1.0 - 1.2

- The above data are typical of the properties of commercial standard brick.
- The data are subject to reasonable variations and therefore should not be used for specification purposes.
- ASTM Test Methods, where applicable, used for determination of data.

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