



ATASAN Ferroalloys

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High Alumina Bricks (60–80% Al_2O_3)

High Alumina Bricks are shaped refractory products made from selected high-quality bauxite and other raw materials with high alumina content. They are fired at high temperatures to achieve excellent thermal stability, slag resistance, and mechanical strength.

These bricks are widely used in steelmaking, cement rotary kilns, glass furnaces, reheating furnaces, and other high-temperature industrial applications where good thermal shock resistance and abrasion resistance are required.



1. Typical Chemical & Physical Properties:

Products	Al_2O_3 (min.)	Fe_2O_3 (max.)	Bulk Density (g/cm^3)	Apparent Porosity (%)	Cold Crushing Strength (MPa)	Refractoriness ($^{\circ}\text{C}$)
HA-60	60	2.0	≥ 2.35	≤ 24	≥ 50	≥ 1750
HA-70	70	2.0	≥ 2.50	≤ 22	≥ 55	≥ 1770
HA-75	75	1.8	≥ 2.55	≤ 20	≥ 60	≥ 1790
HA-80	80	1.5	≥ 2.65	≤ 19	≥ 65	≥ 1820

2. Typical Dimensions: 230 × 114 × 65 mm (or 76 mm)

3. Packing: Palletized in wooden crates or on strong pallets, steel strapped and wrapped with waterproof film.

- Other sizes and specifications are available upon request.