

Cylindrical Sillimanite Brick



- $\text{Al}_2\text{O}_3 \geq 57\%$
- Bulk density $\geq 2.40\text{g/cm}^3$
- Cold compressive strength $\geq 60\text{MPa}$
- Load - softening temperature $\geq 1550^\circ\text{C}$

Application:

Low thermal expansion rate, erosion resistant, wear resistant, thermal shock resistant. Used in regenerators of glass industry and specific parts of metallurgy, ceramics and chemical industry.

Technical Data:

Index Items	Machine-pressed			Cast
Al_2O_3 /%	≥ 57	≥ 60	≥ 65	≥ 60
Fe_2O_3 /%	≤ 1.2	≤ 1.0	≤ 1.0	≤ 1.0
Bulk density (g/cm^3)	≥ 2.40	≥ 2.45	≥ 2.50	≥ 2.45
Apparent Porosity (%)	≤ 18	≤ 18	≤ 17	≤ 18
Cold Compressive Strength (MPa)	≥ 70	≥ 70	≥ 70	≥ 60
Load-Softening Temperature at 0.2MPa,T0.6/ $^\circ\text{C}$	≥ 1560	≥ 1580	≥ 1650	≥ 1550
Thermal Shock Stability (1100 $^\circ\text{C}$, water-cooled) (times)	≥ 25	≥ 20	≥ 15	≥ 25
Permanent Linear Change on Heating (1450 $^\circ\text{C} \times 2\text{h}$) (%)	-0.2 - +0.2	-0.2 - +0.2	-0.2 - +0.2	-0.2 - +0.2