

Andalusite refractory brick



- $\text{Al}_2\text{O}_3 \geq 57\%$
- $\text{Fe}_2\text{O}_3 \leq 1.2\%$
- Bulk density $\geq 2.40 \text{ g/cm}^3$
- Cold crushing strength $\geq 60\text{MPa}$

Application:

Thermal shock resistant, high mechanical strength, minor high temp strength drop, strong slag resistance, high load softening temp. Used in various parts of glass melting furnaces, and in steel, non ferrous metallurgy, cement, ceramic, soaking furnaces, etc.

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
Compressive Strength at Normal Temperature /MPa	≥ 70	≥ 70	≥ 70	≥ 60
Softening Temperature under Load 0.2MPa, T _{0.6} /°C	≥ 1560	≥ 1580	≥ 1650	≥ 1550
Thermal Shock Stability (1100°C, water - cooled) / times	≥ 25	≥ 20	≥ 15	≥ 25
Permanent Linear Change after Heating (1450°C × 2h) /%	-0.2 ~ +0.2	-0.2 ~ +0.2	-0.2 ~ +0.2	-0.2 ~ +0.2