

Mullite refractory brick



- $\text{Al}_2\text{O}_3 \geq 65\%$
- Bulk density $\geq 2.50 \text{ g/cm}^3$
- Cold crushing strength $\geq 75\text{MPa}$
- Load - softening temperature at 0.2MPa , $T_{0.6} \geq 1600^\circ\text{C}$

Application:

Good compactness, erosion resistant, wear resistant, good thermal conductivity. Used for upper structures and chutes of glass melting furnaces, hot blast stoves in metallurgy, transition and pre heating zones of cement kilns, and high temperature equipment in ceramics and petrochemical industry.

Technical Data:

Index Items	A Machine-pressed Brick	B Machine-pressed Brick	Cast Large Brick
Al_2O_3 /%	≥ 70	≥ 70	≥ 65
Fe_2O_3 /%	≤ 1.2	≤ 0.2	≤ 0.8
Bulk Density / g/cm^3	≥ 2.55	≥ 2.65	≥ 2.50
Apparent Porosity /%	≤ 18	≤ 17	≤ 17
Compressive Strength at Normal Temperature /MPa	≥ 80	≥ 80	≥ 75
Softening Temperature under Load 0.2MPa , $T_{0.6}/^\circ\text{C}$	≥ 1620	≥ 1700	≥ 1600