

Corundum mullite brick



- $\text{Al}_2\text{O}_3 \geq 80\%$
- Bulk density $\geq 2.75 \text{ g/cm}^3$
- Cold crushing strength $\geq 85\text{MPa}$
- Load - softening temperature at 0.2MPa, $T_{0.6} \geq 1700^\circ\text{C}$

Application:

Corundum mullite brick: Good compactness, erosion resistant, low thermal conductivity. Used for linings of glass ceramic kilns, high temperature metallurgical equipment, cracking furnaces, CFB boilers, etc.

Technical Data:

Index Items	Corundum - Mullite Refractory Bricks (≥ 80)	Corundum - Mullite Refractory Bricks (≥ 85)	Corundum - Mullite Refractory Bricks (≥ 90)
Al_2O_3 /%	≥ 80	≥ 85	≥ 90
Fe_2O_3 /%	≤ 0.15	≤ 0.2	≤ 0.2
Bulk Density / g/cm^3	≥ 2.75	≥ 2.9	≥ 3.0
Apparent Porosity /%	≤ 18	≤ 17	≤ 17
Compressive Strength at Normal Temperature /MPa	≥ 85	≥ 90	≥ 90
Softening Temperature under Load 0.2MPa, $T_{0.6}$ / $^\circ\text{C}$	≥ 1700	≥ 1700	≥ 1700
Thermal Shock Stability (1100 $^\circ\text{C}$, water - cooled) / times	≥ 7	≥ 15	/
Creep Rate (1500 $^\circ\text{C} \times 5 - 50\text{h}$) /%	≤ 0.3	≤ 0.3	/