

Cylindrical Chrome Corundum Brick



- $\text{Al}_2\text{O}_3 \geq 62\%$
- $\text{Cr}_2\text{O}_3 \geq 10\%$
- Cold compressive strength $\geq 100\text{MPa}$
- Load - softening temperature $\geq 1700^\circ\text{C}$

Application:

High - temperature stable, refractoriness 1770 - 2000°C. Resistant to erosion, alkali and sulfur. Used in regenerators of glass furnaces, metallurgy, energy chemical industry and environmental protection hazardous waste incinerators.

Technical Data:

Index Items	Chrome - corundum - 10	Chrome - corundum - 12	Chrome - corundum - 15	Chrome - corundum - 30
Al_2O_3 / %	≥ 83	≥ 80	≥ 78	≥ 62
Cr_2O_3 / %	≥ 10	≥ 12	≥ 14.5	≥ 30
ZrO_2 / %	2 - 3	/	/	/
Fe_2O_3 / %	≤ 0.3	≤ 0.3	≤ 0.3	≤ 0.3
Bulk Density / g/cm^3	≥ 3.25	≥ 3.25	≥ 3.25	≥ 3.4
Apparent Porosity /%	≤ 17	≤ 18	≤ 18	≤ 17
Compressive Strength at Normal Temperature /MPa	≥ 100	≥ 100	≥ 100	≥ 100
Softening Temperature under Load (0.2MPa, T0.6) /°C	≥ 1700	≥ 1700	≥ 1700	≥ 1700
Thermal Shock Stability (950°C, air - cooled) / times	≥ 12	≥ 12	≥ 12	/