

Chrome corundum brick



- $\text{Al}_2\text{O}_3 \geq 62\%$
- $\text{Cr}_2\text{O}_3 \geq 10\%$
- Bulk density $\geq 3.25 \text{ g/cm}^3$
- Cold compressive strength $\geq 100\text{MPa}$

Application:

Dense structure, thermal shock resistant, wear resistant, resistant to acid, alkali and slag erosion. Used in glass melting furnaces, metallurgical steel making furnaces, etc., linings of non ferrous metal smelting equipment, cement rotary kilns and chemical high temperature furnaces.

Technical Data:

Index Items	Chrome - corundum - 10	Chrome - corundum - 12	Chrome - corundum - 15	Chrome - corundum - 30
$\text{Al}_2\text{O}_3/\%$	≥ 83	≥ 80	≥ 78	≥ 62
$\text{Cr}_2\text{O}_3/\%$	≥ 10	≥ 12	≥ 14.5	≥ 30
$\text{ZrO}_2/\%$	2~3	/	/	/
$\text{Fe}_2\text{O}_3/\%$	≤ 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) $^\circ\text{C}$	≥ 1700	≥ 1700	≥ 1700	≥ 1700
Thermal Shock Stability (950 $^\circ\text{C}$, air-cooled) / times	≥ 12	≥ 12	≥ 12	/