

Chrome-zirconia-mullite brick - Patented product



- $\text{Al}_2\text{O}_3 \geq 70\%$
- $\text{Cr}_2\text{O}_3 \geq 10\%$
- Bulk density $\geq 3.3 \text{ g/cm}^3$
- Load - softening temperature at 0.2MPa, T0.6 $\geq 1700^\circ\text{C}$

Application:

Chrome-zirconia-mullite brick with patented technology (ZL201310431067.6): Resistant to spalling, erosion and thermal shock. Used in glass kilns, cement rotary kilns, blast furnaces and converters in metallurgy, chemical reaction furnaces, calcium carbide furnaces, and parts of power circulating fluidized bed boilers.

Technical Data:

Index Items	Three - resistant Refractory Bricks
Al_2O_3 /%	≥ 70
Cr_2O_3 /%	≥ 10
ZrO_2 /%	≥ 7
Fe_2O_3 /%	≤ 0.3
Bulk Density / g/cm^3	≥ 3.3
Apparent Porosity /%	≤ 17
Compressive Strength at Normal Temperature /MPa	≥ 100
Softening Temperature under Load 0.2MPa, T0.6 / $^\circ\text{C}$	≥ 1700
Thermal Shock Stability (1100 $^\circ\text{C}$, water-cooled) / times	≥ 10