

High alumina insulating brick



- $\text{Al}_2\text{O}_3 \geq 48\%$
- Bulk density 0.6-1.2 g/cm³
- High - temperature compressive strength $\geq 1.5\text{MPa}$
- Thermal conductivity 0.25-0.50W/(m·K)

Application:

Low bulk density, high strength, corrosion resistant. Used in insulating parts of high temperature equipment like glass melting furnaces, ceramic sintering furnaces, steel mill reheating furnaces and other industrial kilns.

Technical Data:

Index Items		ZKLG140 - 1.2	ZKLG140 - 1.0	ZKLG140 - 0.8	ZKLG140 - 0.6
Al_2O_3 /% $\geq$		48	48	48	48
Fe_2O_3 /% $\leq$		2.0	2.0	2.0	2.0
Bulk Density /g/cm ³ $\leq$		1.2	1.0	0.8	0.6
High-temperature Compressive Strength /MPa $\geq$		8	3.0	2.5	1.5
Permanent Linear Change after Heating /%	Test Temperature T / °C	1400 °C × 12h	1400 °C × 12h	1400 °C × 12h	1350 °C × 12h
	Xmin ~ Xmax	-2 ~ +1	-2 ~ +1	-2 ~ +1	-2 ~ +1
Thermal Conductivity /W/(m·K) at an Average Temperature of 350 ± 25 °C		0.50	0.40	0.35	0.25