

Mullite insulating brick



- Al_2O_3 40-70%
- Bulk density 0.60-1.10g/cm³
- Thermal conductivity 0.20-0.60W/(m·K)
- High - temperature compressive strength $\geq 1.0\text{MPa}$

Application:

Low thermal conductivity, high temperature resistant, can be in direct contact with flames for long term use. Used for linings and insulation layers of kilns in glass, metallurgy and other industries.

Technical Data:

Index Items		ZKMG23	ZKMG26	ZKMG28	ZKMG30	ZKMG32
Al_2O_3 /% $\geq$		40	55	65	70	77
Fe_2O_3 /% $\leq$		1.0	0.8	0.7	0.6	0.5
Bulk Density /g/cm ³ $\leq$		0.55	0.85	0.95	1.05	1.35
High-temperature Compressive Strength /MPa $\geq$		1.0	2.5	3.5	3.5	3.5
Permanent Linear Change after Heating /%	Test Temperature T / °C	1200 °C × 12h	1400 °C × 12h	1510 °C × 12h	1620 °C × 12h	1730 °C × 12h
	Xmin ~ Xmax	0.5 ~ -1	0.5 ~ -1	0.5 ~ -1	0.5 ~ -1	0.5 ~ -1
Thermal Conductivity /W/(m·K) at an Average Temperature of 350 ± 25 °C		0.20	0.30	0.37	0.44	0.60