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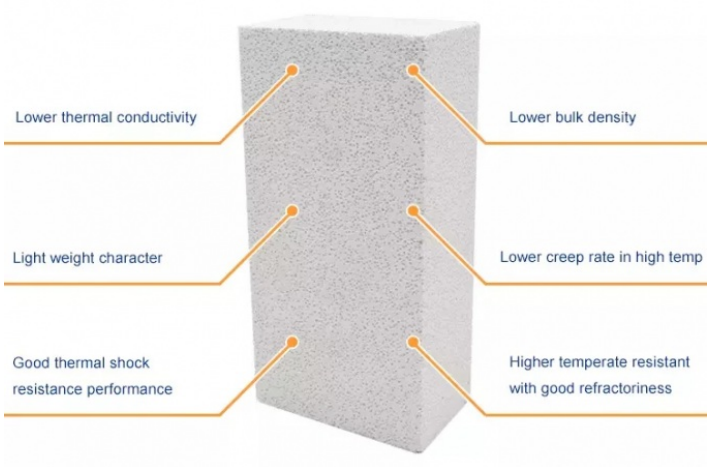
Features of JM23 JM26 JM28 Mullite Insulating Firebrick

- Low thermal conductivity
- High strength and corrosion resistance
- Low heat capacity
- Low impurity content
- High temperature resistance
- Good insulation performance
- Good thermal shock resistance
- Lower bulk density



Product Application of Mullite insulation brick

Mainly used for hot blast furnace top, blast furnace stack and bottom, glass furnace regenerator, ceramic sintering kiln, dead corner lining of petroleum cracking system,ethylene pyrolysis furnaces, tubular furnaces,reforming furnaces of synthetic ammonia,gas generators,linings or heat-insulating materials of the industries,etc.

1. Furnaces of metallurgy industry, heat treatment furnace

2. Furnaces of chemical industry and construction industry.

3. Furnace of incineration of garbage, recirculating fluidized bed furnace

Product Specification of JM23 JM26 JM28 Mullite Insulating Fire Brick Thermal Insulation Brick

The size of the mulliate insulation brick is 230*114*65mm. Other sizes can be customized according to drawings.

Item Brand		JM23	JM26	JM28
Max Temperature (C)		1260	1460	1540
Bulk Density (g/cm3)		0.55-0.60	0.8	0.89
Cold Crushing Strength (Mpa)		1.2	1.6	2.1
Modulus of Rupture (Mpa)		0.9	1.4	1.6
Reheating Linear Change (%) CT -30 °CX 8H		1230 °C -0.5	1400 °C -0.5	1510 °C -0.5
Thermal Expansion 1100 °C(%)		0.5	0.7	0.8
Thermal conductivity (W/m.k)	400 °C	0.14	0.27	0.32
	600 °C	0.16	0.29	0.34
	800 °C	0.18	0.31	0.36
	1000 °C	0.20	0.33	0.38
Al2O3 %		37	50	64
Fe2O3 %		1.0	1.0	1.0

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