

SHANDONG TAIRAN IMPORT AND EXPORT CO.,LTD

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Mullite Fiber Board



1,Performance parameters of mullite fiber board

Item	TMB-64	TMB-74	TMB-84	TMB-94
Al ₂ O ₃ %	≥69	≥72	≥80	≥78
Al ₂ O ₃ +SiO ₂ %	≥99	≥99	≥99	≥99
Fe ₂ O ₃ %	≤0.2	≤0.1	≤0.1	≤0.1
Classification temperature℃	1600	1700	1800	1900
Working temperature℃	≤1450	≤1550	≤1650	≤1700
Density Kg/m ³	400-500	480-550	500-600	650
Linear rate of change %	1500℃*6h <-1.0	1500℃*24h <-1.0	1600℃*24h <-0.8	1650℃*24h <-0.8
Thermal conductivity W/m.k	400℃ 0.06 800℃ 0.12 1000℃ 0.13	400℃ 0.085 800℃ 0.132 1000℃ 0.180	800℃ 0.14 1000℃ 0.17 1200℃ 0.23	800℃ 0.15 1000℃ 0.118 1200℃ 0.24
Compressive strength	≥0.5	≥0.6	≥0.6	≥0.7

2. Introduction: Mullite fiber board is a kind of high-temperature and high-strength fire-resistant fiberboard with polycrystalline fiber structure, which is made of polycrystalline mullite fiber cotton as the main raw material and added with inorganic and organic binders. The product is hard, good toughness, excellent high temperature

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resistance and low thermal conductivity, which can solve the problem of heat insulation under high temperature. The long-term service temperature of the product can reach 1700 °C, which can not be matched by any ceramic fiber products. It can not only reach the service temperature of heavy refractories, but also achieve the heat insulation performance of light insulation materials.

3. Common specifications

Length: 1000mm, 900mm, 1100mm, Width:600mm,Thickness:20-150mm

4. Main application fields

Metallurgical industry, electric power industry, foundry industry, glass industry, other industrial furnace high temperature field

5 main characteristics

- 1) Good high temperature stability, small permanent line change rate, such as 1500-1600 °C * 24h, $\leq 0.8\%$, ensuring the integrity of the structure
- 2) Low thermal conductivity, the thermal conductivity of the product at room temperature is less than 0.03, and the thermal conductivity at high temperature is also very low, which effectively realizes the heat insulation and energy saving effect
- 3) Good thermal shock resistance, flame impact resistance and airflow erosion resistance
- 4) Easy to install, easy to cut and use, no pollution

6. Why choose us

Our company is specialized in the production and supply of polycrystalline mullite fiberboard products. Product quality and integrity are our company's culture. We produce and supply more than 100000 square meters of products every year, and export to about 10 countries. Welcome to negotiate with us

7,Good feedback of product use effect,the products have been exported to South Korea, America,Japan

8,We are a professional supplier, who can provide customers with free product technology, use and other issues

Do you want to find a professional supplier of Mullite Fiber Board?

Do you want to find a stable and credible supplier?

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Then please contact with us

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