

CERAMIC FIBER MODULE

Titan ceramic fiber modules are divided into stack bonded and folded types. It will be able to achieve lower thermal conductivity by compressing the blankets. Three types of steel anchors (Type S/M/T) can be installed within the modules. It is widely used as the refractory lining of industrial furnaces and inner insulation of ladle lid.



PRODUCT CHARACTERISTICS

- Good chemical stability
- Low thermal conductivity
- High tensile strength
- Good sound insulation
- Good thermal insulation

Typical Applications

- Industrial furnace back lining
- Refractory linings

ITEM ID	TIM-STD Standard Purity	TIM-HP High Purity	TIM-LZ Low ZrO ₂	TIM-SZ Standard ZrO ₂
Classification Temperature (°C)	1260	1260	1300	1430
Recommended Working Temperature (°C)	1050	1100	1200	1350
Density (Kg/m ³)	160-240			
Linear Shrinkage (%)	1050°CX24h≤4	1100°CX24h≤4	1200°CX24h≤4	1350°CX24h≤4
Thermal Conductivity (Mean. 500°C) W/(m.k)	≤0.153	≤0.153	≤0.153	≤0.153
Shot Content (ø≥0.212mm) (%)	≤20	≤15	≤15	≤15
Tensile Strength (25mm blanket) (MPa)	≥0.04	≥0.04	≥0.04	≥0.04
Al ₂ O ₃	≥43	≥44	N/A	N/A
Al ₂ O ₃ + SiO ₂	≥98.5	≥99	N/A	N/A
Al ₂ O ₃ + SiO ₂ + ZrO ₂	N/A	N/A	≥99	≥99
ZrO ₂	N/A	N/A	7%	15%
Fe ₂ O ₃	≤1.0	≤0.5	≤0.5	≤0.5
Sizes	300*300*150; 300*300*200; 300*300*250; 300*300*300; 600*300*300; Other sizes available			