

1200°C High Temperature Ceramic Fiber Wool Thermal Ceramic Wool Insulation

Our Product Introduction

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Basic Information

- Place of Origin: Zhengzhou ,China
- Brand Name: Rongsheng Xinwei
- Certification: ISO9001
- Model Number: GM-1P, GM-2P, GM-1S, GM-2S, GM-3S, GM-4S
- Minimum Order Quantity: 50 Rolls
- Price: 10-15USD
- Packaging Details: 1.Standard export packaging; 2.According to customer's requirements;
- Delivery Time: 10-20 Days
- Payment Terms: TT; L/C
- Supply Ability: 25000 Rolls Per Day ceramic fiber blanket



Product Specification

- Acid Resistance: Good
- Alkali Resistance: Good
- Chemical Stability: Good
- Color: White
- Compressive Strength: $\geq 0.2\text{MPa}$
- Density: 128-160kg/m³
- Flexural Strength: $\geq 0.2\text{MPa}$
- Heat Resistance: Good
- Material: Ceramic Fiber
- Moisture Content: $\leq 1.0\%$
- Temperature: 1200
- Thermal Conductivity: 0.08-0.20w/m.k
- Thermal Shock Resistance: Good
- Highlight: 1200°C High Temperature Ceramic Fiber Wool,
1200°C Ceramic Wool Insulation,
Thermal Ceramic Wool Insulation

Our Product Introduction

Product Description

Introduction of High Temperature Ceramic Fiber Wool Thermal Insulation Ceramic Fiber Products

Ceramic fiber wool, also known as refractory ceramic fiber (RCF) or alumino-silicate wool, is a type of high-temperature insulation material. It is made from a combination of alumina and silica, which are melted together and then drawn into thin fibers. These fibers are then processed into various forms such as blankets, boards, papers, textiles, and other shapes.

Features of High Temperature Ceramic Fiber Wool

High Temperature Resistance:
Low Thermal Conductivity
Lightweight and Low Density
Chemical Resistance
Low Thermal Mass
Flexibility and Durability durable

Applications of High Temperature Ceramic Fiber Wool

- (1)Furnace and kiln linings
- (2)Insulation for industrial equipment

- (3)Fire protection and safety applications
- (4)Expansion joint packing
- (5)Gasketing and sealing materials
- (6)Automotive and aerospace applications
- (7)Foundry and metalworking industries

Parameters of High Temperature Ceramic Fiber Wool Thermal Insulation Ceramic Fiber Products

| Item | Index | | | | |
|---|------------|------------|------------|------------|------------|
| | GM-1P | GM-2P | GM-1S | GM-2S | GM-3S |
| Fiber diameter μm | 2~4 | | 3~5 | | |
| Shot content % $\phi \geq 0.212\text{mm}$ | ≤ 22 | ≤ 20 | ≤ 22 | ≤ 22 | ≤ 20 |
| Al_2O_3 % | ≥ 45 | ≥ 53 | ≥ 44 | ≥ 45 | ≥ 45 |
| SiO_2 % | ≥ 52 | ≥ 46 | ≥ 52 | ≥ 52 | ≥ 54 |
| ZrO_2 % | / | / | / | / | / |
| Fe_2O_3 % | ≤ 0.8 | ≤ 0.2 | ≤ 1.0 | ≤ 0.8 | ≤ 0.2 |
| $\text{Al}_2\text{O}_3 + \text{SiO}_2$ % | ≥ 97 | ≥ 99 | ≥ 96 | ≥ 97 | ≥ 99 |
| $\text{Al}_2\text{O}_3 + \text{SiO}_2 + \text{ZrO}_2$ % | / | / | / | / | / |

| Item | Index | | |
|--|------------|---|---|
| | GM-1F | GM-1M | C |
| Fiber diameter μm | 3~5 | | |
| Shot content % $\phi \geq 0.212\text{mm}$ | ≤ 15 | ≤ 8 particle size ≥ 100 mesh | |
| Water Content % | ≤ 3 | / | |
| Non-fibrous substances % | ≤ 35 | / | |
| Fiber length μm | / | 150 | |
| Al_2O_3 % | ≥ 45 | | |
| SiO_2 % | ≥ 52 | | |
| Fe_2O_3 % | ≤ 0.8 | | |
| $\text{Al}_2\text{O}_3 + \text{SiO}_2$ % | ≥ 97 | | |



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