

ROCKWOOL Blanket

Product Data Sheet



Product Description

Rock Wool Blanket (also known as Mineral Wool Blanket) is a flexible thermal insulation and fireproof material. It is manufactured using natural basalt, diabase, or other volcanic rock as the main raw material, Melted at 1500°C-1600°C and combined with trace inorganic binders, it forms a material integrating thermal insulation, sound insulation, and fireproof functions.

Unlike glass wool blankets (lower temperature resistance), it features a balanced combination of medium-high temperature resistance, flexibility, and fireproof performance. The product has a soft texture, uniform density, and roll-type packaging, serving as a core insulation material in industrial, building and so on.....

Features

- Excellent thermal insulation performance, high efficiency and energy saving
- High acidity coefficient ensures durable weather resistance and does not corrode metals
- Excellent mechanical strength performance, with a long service life
- Incombustible materials
- Maximum service temperature up to 800°C .

Main Performance

Test Item	Performance Indicator			Standards
Density (kg/m ³)	40	60	80	
Thermal Conductivity λ W/(m·k)	0.037	0.035	0.034	BS EN-12667
Combustion Performance	9.80	10.00	9.90	JC/T 618-2019
Maximum Operating Temperature (°C)	不燃			FTP CODE Part 1
Average Fiber Diameter (μm)	≤ 5.5μm			GB/T 5480
Water Repellency	≥ 99.0%			GB/T 10299
Mass Moisture Absorption	≤ 1.0%			GB/T 5480

Note: The above data are representative averages measured according to general test methods and may vary with normal production fluctuations. These data are provided as a technical service and may be adjusted occasionally.