

Rock Wool Blanket



PRODUCT DESCRIPTION

Rock wool products are formulated from natural rock

Rock wool products are using high quality basalt and dolomite as the main raw materials. After melting at a temperature higher than 1450 °C or, it is centrifuged at high speed using an internationally advanced four-axis centrifuge. Dimensions, while spraying a certain amount of binder, dustproof oil, water repellent, and collecting by a cotton collector. Through the pendulum method, and three-dimensional method, after curing, it is solidified and cut to form different Rock wool products for specifications and uses.

Rock wool Panel conforms to GB11835, GB50264, DL/T5072, Domestic and international standards such as SH3010, ASTM C612 and JISA9504, Meet various performance testing requirements.



Rock Wool Blanket

Rock wool blanket is suitable for thermal insulation, fire prevention and sound absorption and noise reduction of containers, boilers, ducts and large pipe networks and storage tanks.

SERIES PRODUCTS

The following two standard products are available depending on the operating temperature

PR-B450

PR-B650

SCOPE OF APPLICATION

Thermal insulation, Fire prevention, sound absorbing and noise reduction of large pipe networks, large storage tanks, vessels, boilers and ducts, especially suitable for high temperature and vibration places or fire prevention Demanding higher places

PRODUCT FEATURES

High temperature resistance	★★★★★
Strong corrosion resistance	★★★★★
Good thermal conductivity	★★★★★
Good dimensional stability	★★★★★
Anti-compression ability	★★★★★



Rock Wool Blanket

Rock Wool Blanket

Rock wool blanket is suitable for thermal insulation, fire prevention and sound absorption and noise reduction of containers, boilers, ducts and large pipe networks and storage tanks.

PACKAGE STORAGE

For the convenience of construction, transportation, storage and identification, rock wool blanket is Wrapped in a heat shrink film. This product should be stored indoors or covered with a waterproof tarpaulin when stored.

SIZE AND BULK DENSITY

PARAMETER	PR-B450	PR-B650
Density	80 kg/m ³	100 kg/m ³
thickness	30-70mm	5000*600mm
thickness	75-100mm	5000*600mm

Standard widths are 600mm and 910mm. For other sizes, please consult local representative.
The material of the stitched net is galvanized mesh or stainless steel mesh. The common standard is 24# wire diameter with mesh diameter of 1" or 22# wire diameter wire mesh with a mesh diameter of 1".

CONSTRUCTION INSTALLATION

The construction installation can cut the rock wool blanket to any length and tightly wrap the equipment that needs to be insulated and heat-insulated. Mating edges need to be tightened together without leaving any gaps and secured together with wires. The BT-B rock wool blanket can be fixed on the equipment requiring thermal insulation with a metal belt or a heat preservation nail with a quick buckle.

* For technical problems encountered during construction and installation, please contact our technical service team.



Rock Wool Blanket

Rock wool blanket technical parameters

PARAMETER		PR-B450	PR-B650	UNIT	STANDARD
Density		80	100	kg/m³	GB/T 5480.3
Thermal Conductivity*	70°C	0.040	0.038	W/m·k	GB/T 10294 GB/T 10296
	100°C	0.046	0.042		
	150°C	0.050	0.048		
	200°C	0.064	0.056		
	250°C	0.076	0.063		
	300°C	0.080	0.070		
	350°C	0.077	0.077		
	400°C	0.085	0.085		
Recommended temperature*		450	650	°C	ASTM C411-05, ASTM C447-03, GB50264
Maximum use temperature		550	750	°C	GB/T 17430, GB50264
Surface burning characteristics	Flue gas development index	≤25			ASTM E84-10
	Flame spread index	0			ASTM E84-10
Combustion performance		Non-flammable, fire rating A1			GB 8624, EN13501-1, BS 476 Part4
Volumetric hygroscopic rate		≤1%			ASTM C1104/1104M
Mass hygroscopic rate		≤1%			ASTM C1104/1104M
Drowning rate		Optional		ppm	GB/T 10299
Chloride ion content*		Optional		ppm	GB/T 17393 ASTM C871-08
Health and safety	Asbestos	No asbestos			HJ/T206, ISO 22262-1, NIOSH 9002
	Irritating odor	No Irritating odor			ASTM C665-06
	Bacteria	No Bacteria			ASTM C1338-08
Standards compliant		GB 11835 "thermal insulation Rock wool, slag wool and products", GB 50264 "Design specifications for industrial equipment and pipeline insulation engineering", ASTM C547 type I & II "Standards for the insulation of mineral fiber tubes", JIS A9504 "Insulation Materials of artificial mineral fibers", SH3010 "Technical Specifications for Petrochemical Equipment and Pipeline Insulation", DL/T 5072 "Design Rules for Thermal Insulation Paints for Thermal Power Plants"			

Remark 1

Thermal conductivity*: The thermal conductivity value of the series is calculated as the average temperature and comply with the relevant provisions of the GB/T 10294 standard "thermal insulation determination of steady-state thermal resistance and related properties-guarded hot plate apparatus".ASTM C177 and GB/T 10294 test methods and judgment standards are slightly different, and the test results are different.

Recommended temperature*: The recommended temperature is based on the maximum operating temperature test result minus 100 °C.

Remark 2

The relevant information in this technical data sheet only indicates the accuracy of the date of publication. In addition to the conditions specified in this data sheet, our company will not assume any responsibility for the use of the series of products.