

Rock Wool Pipe



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 pipe

Rockwool pipes are especially suitable for energy conservation in hot and cold pipelines, and play an important role in maintaining constant temperature, protecting personal safety, preventing condensation and reducing noise.

PRODUCT INTRODUCTION

Using natural basalt as the main raw material, after high temperature melting, Made to artificial inorganic fiber by high-speed centrifugal equipment, adding special binder and dustproof oil, and then Warmed and cured, made into various specifications, different requirements of rock wool insulation pipe.

SCOPE OF APPLICATION

Rock wool pipes are widely used in Insulation of petroleum, chemical, metallurgy, shipbuilding, textile and other industrial boilers and equipment pipes, also used in the partition wall of the construction industry, ceilings and Insulation of interior and exterior walls and various types of cold and hot pipes and hidden, exposed pipes.

PRODUCT FEATURES

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



Rock wool pipe

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Industrial rock wool pipe pipe has the advantages of light weight, small thermal conductivity, good sound absorption performance, non-combustible, good chemical stability, etc.

PACKAGE STORAGE

Standard packaging: cardboard or plastic bags.The exact amount contained in each package depends on the size of the pipe.This product should be stored indoors or covered with a waterproof tarpaulin when stored.

SIZE

PARAMETER	RANGE VALUE
Nominal diameter (conventional size)	22mm-612mm("-24")
Thickness range	30mm-150mm
Length	1000mm

When purchasing pipe insulation materials, you must specify the pipe outer diameter and insulation material thickness. Different types of pipes (such as steam pipes, API pipes, copper pipes, etc.) have different outer diameter standards, in order to avoid misunderstanding and paying unnecessarily expensive price, the outer diameter of the pipe must be determined before ordering the pipe insulation.

CONSTRUCTION INSTALLATION

The rock wool pipe is produced according to the standard length. For the convenience of installation, the slit is opened along the longitudinal axis, which can be conveniently installed on the pipeline to be insulated. It is recommended to fix the rock wool pipe in the installation position with metal wire or metal strip, and protect the rock wool pipe with metal clad, mastic or other suitable coating according to actual needs.

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



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Rock wool pipe technical parameters

PARAMETER		MR-PPL	UNIT	STANDARD
Density		80	kg/m ³	GB/T 5480.3
Thermal Conductivity*	70°C	0.040	W/mk	GB/T 10294 GB/T 10296
	100°C	0.044		
	150°C	0.049		
	200°C	0.054		
	250°C	0.066		
	300°C	0.069		
	350°C	0.078		
	400°C	0.088		
Recommended temperature*		650	°C	ASTM C411-05, ASTM C447-03, GB50264
Maximum use temperature		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.

Chloride ion content*: Low chlorine can be achieved ≤10ppm.

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.