

# ROCK WOOL PIPE

Rock wool has a good effect for fire resistant, soundproofing and heat preservation



## Product Introduction

Rock wool pipes are particularly 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. This product is rolled with a mold, closely matched with the pipe, and the outer surface is polished to achieve precise insulation thickness.

## Handling and installation

Rock wool pipes are lightweight and easy to handle. To cut the product, it only requires a sharp knife with serrated edge or a hand saw, measuring tape and steel ruler. Rock wool pipes should be secured in position using wire or metal bands in accordance with the manufacturer's recommendations and protected by metal cladding, mastic or other suitable coatings if required.

## Product Specification

DN	INCH	ID	THICKNESS (mm)										
mm	in	mm	25	30	40	50	60	70	80	90	100	120	150
15	1/2	22											
20	3/4	27											
25	1	34											
32	1-1/4	42											
40	1-1/2	48											
50	2	60											
65	2-1/2	73											
80	3	89											
90	3-1/2	102											
100	4	114											
125	5	141											
150	6	168											
200	8	219											
250	10	273											
300	12	325											
350	14	356											
400	16	406											
450	18	457											
500	20	508											
550	22	559											
600	24	610											

## Technical Data

Item Name		Test Method	Standard Value	Test Value
Density(kg/m3)		ASTMC302-13（2017）	±15	80-150
Length tolerance(mm)			±3	1000
Thickness tolerance(mm)			±3	25-150
Thermal conductivity W/(m·k)	24℃	ASTMC335-17 ASTMC1045-19	≤0.036	0.034
	93℃		≤0.045	0.044
	204℃		≤0.065	0.062
	260℃		≤0.078	0.073
	371℃		≤0.111	0.099
Service Temperature		ASTMC411-19 ASTMC417-15	≤650℃	650℃
Slag Resistance,max thickness change		ASTMC411-19	≤5.0%	4.54%
Non-Fibrous (Shot) content		ASTMC1335-12（2017）	≤25%	10.7%
Linear Shrinkable at maximum use temperature( 650℃)		ASTMC356-17	≤2.0%	-0.4%
Water Vapor Sorption By Weight		ASTMC1104/C1104M-13a	≤5.0%	0.2%
Flame Spread Index		ASTME84-19a	≤25	0
Smoke-developed Index			≤50	0
Stress Corrosion Performance		ASTMC795-08(2013)	None of the prepared coupons of stainless steel shall show a crack	None of the prepared coupons of stainless steel showed a crack
Water Absorption		BS EN13472: 2002	-	0.03kg/m2

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