

Technical DATA SHEET

TOMBO ROCK – SPI

Introduction

Tombo Rock (Rockwool) SPI (Sectional Pipe Insulation) is inorganic spun fibres made from natural rocks and minerals bonded by organic binder. Rockwool is non-combustible, suitable for thermal insulation, fire protection and sound absorption/noise reduction.

Tombo Rock SPI is preformed sectional pipe insulation with a foil facing for ease of handling. Non foil faced is available upon request subject to MOQ and lead times.

Physical Properties

Nominal Density (kg/m ³)	Standard Pipe Diameters (mm)	Standard Wall Thickness (mm)	Standard length Size (mm)
100	12.7 to 915	25, 38, 50, 65, 75 and 100	1000

Not all size combinations are stocked, some sizes are subject to minimum order quantities and lead times.

Service Temperature

Max. Service Temperature (°C)	Test Method
650	ASTM C411

Based on Tombo Rock board data

Apparent Thermal Conductivities

Apparent Thermal Conductivities (W/mK)		Test Method	
Mean Temperature (°C)	Average 70 (+5/-0)	0.044 max. (Conform to JIS A9504 requirement)	JIS A1412 ISO 8302

These figures are actual test results based on Tombo Rock board data (shall not be used for specification).

Conforming Specifications

- ASTM C547 Standard Specification for Mineral Fiber Pipe Insulation
- JIS A 9504 Man made mineral fiber thermal insulation materials
Rockwool pipe insulation (Density: 40~200kg/m³)

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Technical Properties

Items	Unit	Test Results*	Spec.	Test Method
Linear Shrinkage at 650 ⁰ C	%	1.22	2.0 max.	ASTM C356
Surface burning characteristic	Index Index	Flame spread 0 Smoke developed 0	25 max. 50 max.	ASTM E84
Water vapor sorption	%	0.29	5.0 max.	ASTM C1104
Water absorption	kg/m2	0.034	-	EN 1609
None fibrous (Shot) content	%	150 um 13.0 500 um 1.6	- 4 max.	ASTM C1335 JIS A0504
Corrosive resistances	-	Passed 28 day preproduction corrosion test		ASTM C795

*Based on Tombo Rock board 80kg/m3 data.

Handling and Storage

- Handle carefully to avoid damage on the edge and surfaces of the product.
- Store indoors and protect from exposure to water.

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