

MG WIRED BLANKET™

Description

Rock wool is inorganic spun fibers made from natural rocks and minerals.

MG WIRED BLANKET™ made of rock wool is non-combustible, suitable for thermal insulation, fire protection and sound absorption/noise reduction.

MG WIRED BLANKET™ is flexible blanket insulation which galvanized wire mesh of hexagonal pattern is stitched by wire on one side.



"MG WIRED BLANKET" and "MG BOARD" are trademarks of Nichias Corporation.

Standard Densities and Sizes

Product Name	Nominal Density (kg/m ³)	Standard Thickness (mm)	Standard Size (mm)
MG WIRED BLANKET™	080	80	25, 40, 50, 75 and 100
	100	100	
	120	120	
			900x5000 900x4000 900x3000
			600x5000 600x3000

*Other densities and sizes are also available on request. For details, please contact us.

Maximum Service Temperature and Classification

Product Name	Nominal Density (kg/m ³)	Max. Service Temperature (°C)	Test Method
MG WIRED BLANKET™	080	750	ASTM C411/ ASTM C447
	100		
	120		

Apparent Thermal Conductivities

Product Name	Apparent Thermal Conductivities (W/mK)				Test Method	
	Nominal Density (kg/m ³)	80	100	120		
MG WIRED BLANKET™	Mean Temperature (°C)	24	0.034	0.034	0.034	ASTM C177
		38	0.035	0.036	0.036	
		93	0.043	0.043	0.043	
		149	0.052	0.050	0.049	
		204	0.059	0.057	0.055	
		260	0.072	0.069	0.065	
		316	0.088	0.082	0.077	
		370	0.105	0.097	0.089	
	Average 70 +5/-0	0.044 max. (Conform to JIS A9504 requirement)			JIS A1412 ISO 8302	

* These figures are actual test result and shall not be used for specification purpose.

* Based on MG BOARD™ Data.

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■ Technical Properties

Items	Unit	MG WIRED BLANKET™ 100 Test Results	Spec.	Test Method
Linear Shrinkage at 650°C	%	0.95	2.0 max.	ASTM C356
Surface burning characteristic	Index	Flame spread 0	25 max.	ASTM E84
	Index	Smoke developed 0	50 max.	
* Water vapor sorption	%	0.19	5.0 max.	ASTM C1104
Water absorption	kg/m ²	0.072	–	EN 1609
Non fibrous (Shot) content	%	150µm 13.0	–	ASTM C1335
		500µm 1.6	4 max.	JIS A9504
Corrosive resistances	–	Passed 28 day preproduction corrosion test		ASTM C795
* Odor emission	–	Pass	–	ASTM C1304

* Based on MG BOARD™ 100 data.

■ Conforming Specification

- ASTM C592 **Standard Specification for Mineral Fiber Blanket Insulation and Blanket -Type Pipe Insulation (Metal-Mesh Covered) (Industrial Type)**
- JIS A 9504 **Man made mineral fiber thermal insulation materials
Rock Wool Blanket No. 1 and 2 (Density : 40~100 and 101~160 kg/m³)**
Remarks : For JIS A9504, our blanket size (600/900 x 3000、4000、5000mm) is not conforming to this specification since JIS requirement is either 605 x 2000 mm or 605 x4000、5000mm.

■ Handling & Storage

- Handling carefully, avoid damages on the edge and surfaces of product
- Store in indoor and protect from direct exposure to the water