

FINEFLEX BIO™ Blanket

FINEFLEX BIO™ Blanket is made by continuously laminating silica-magnesia-calcia based alkaline earth silicate (AES) wool, molding it into a blanket, and needle-punch processing it.

Applications

- General insulating material
- Lining material and backup material for insulating the ceilings and walls of kilns
- Expansion joint filling material for interior parts of kilns

Quality Characteristics

Item	TOMBO™ No.	
	5615	
Color	White	
Max. heatproof temp. (°C)	1300	
Average fiber diameter (μm)	4	
Chemical composition (wt%)	SiO ₂	76
	CaO+ MgO	22
	Other	2
Coefficient of thermal contraction (%)	1100°C ×8hr	1.1
	1200°C ×8hr	1.7
	1300°C ×8hr	2.0

* The above figures are actual measurements made by Nichias and not standard values.

* Max. heatproof temp. is the temperature at which contraction is 4% or less after 8 hours of heating.



Standard Dimensions

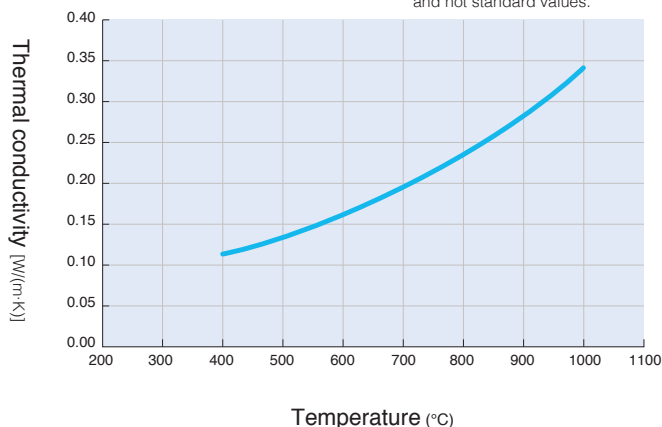
Note 1: 50mm products have a length of up to 6000mm.

TOMBO™ No.	Type	Thickness (mm)	Width × length (mm)
5615	#100	12.5	600 × 1200
	#130	25	600 × 3600
	#160	50	600 × 6000
			600 × 7200 ^{Note 1}

* Please contact us for inquiries about other sizes.

Thermal conductivity

* The following figures are actual measurements made by Nichias and not standard values.



Thermal conductivity of FINEFLEX BIO™ Blanket (130kg/m³)

* TOMBO is a registered trademark or trademark of Nichias Corporation.
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