

FINEFLEX BIO™ Textile Products

[Cloth/Tape/Cord/Twisted Rope/Braided Rope]

► Applications

- Heating zone separators and curtains for furnaces
- Combustion surfaces of infrared heating zones
- Insulation of grooves and gaps
- Cushioning material for high temperature parts
- Expansion joint filling material for the interior of kilns



TOMBO™ No. **5685-A**

FINEFLEX BIO™ Cloth

A product of alkaline earth silicate wool woven into a thick cloth.

Thickness (mm)	Width (mm)	Length (m)
2	1000	30



TOMBO™ No. **5685-B**

FINEFLEX BIO™ Tape

A product of alkaline earth silicate wool woven into a thick tape.

Thickness (mm)	Width (mm)	Length (m)
2	25, 38, 50, 65, 75, 100	30



TOMBO™ No. **5685-C**

FINEFLEX BIO™ Cord

A product of multiple alkaline earth silicate wool yarns tightly twisted together.

Thickness (mm)	Length (m)
3.2	4.8
Packaging/Packing	1kg/Polyethylene bags



TOMBO™ No. **5685-D**

FINEFLEX BIO™ Twisted Rope

A product of multiple alkaline earth silicate wool yarns twisted together into a coarse thread, strands of which are then further twisted together into rope form.

Thickness (mm)	Length (m)
6.4, 9.6, 12.7, 15.9, 19.1, 22.2, 25.4	30



TOMBO™ No. **5685-E**

FINEFLEX BIO™ Braided Rope

A product with alkaline earth silicate wool bulk fiber at its center and a surface of coating material, roughly braided into rope form.

Thickness (mm)	Length (m)
15, 20, 25, 30, 35, 40, 50, 60, 80, 100, 120	30, 20, 10, 5

► Quality Characteristics

Item	TOMBO™ No.						
	5685 - A		5685 - B	5685 - C	5685 - D	5685 - E	
	5685 - A-F	5685 - A-S				5685 - E-S	5685 - E-G
Reinforcing wire/coating material	Iron-chromium wire	SUS wire	SUS wire	Iron-chromium wire	Glass yarn	SUS wire	Glass yarn
Max. heatproof temp. of reinforcing wire/coating material (°C) Note 1	1100	800	800	1100	550	800	550
Mass (kg/m²)	1.07	1.15	Depending on width and thickness				
Tensile strength (N/25mm)	Vertical	719	846	—	—	—	—
	Horizontal	461	525	—	—	—	—
Ignition loss (%)	12	14	11	11	14	—	—

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

Note 1: Usable at higher temperatures than above in applications where handling ability and shape retention after heating are not required.

* TOMBO is a registered trademark or trademark of Nichias Corporation.
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<http://www.nichias.co.jp/>

International Marketing and Sales Group
6-1, Hatchobori 1-chome, Chuo-ku, Tokyo 104-8555, Japan
Phone: 81-3-4413-1132

