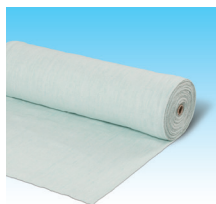


FINEFLEX BIO™ Textile Products

[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)	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)	6.4	9.6	12.7	15.9	19.1	22.2	25.4
Length (m)	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)	15	20	25	30	35	40	50	60	80	100	120
Length (m)	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) (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.

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 - Damage arising due to the willful intent or negligence of the customer or the user, or due to the improper use or use under abnormal conditions of the products;
 - Damage arising due to the failure to carry out regular checkups and appropriate repairs, maintenance and part replacements, considering various conditions, such as the usage conditions, usage environment and usage period, etc., of the product;
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