

TOMBO® No. 6100

ULTRA STOP™ WOVEN

Non-Asbestos Woven Brake Lining



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● TOMBO® No. 6100-B-SN

Light yellow colored non-asbestos woven brake lining for dynamic braking made of special glass cloth woven by using metal wire, impregnated with special resin binder, dried, heated and pressurized.

● TOMBO® No. 6100-B-SC-S

Light yellow colored non-asbestos woven brake lining for dynamic braking made of special glass cloth woven by using metal wire and special fiber, impregnated with special resin binder, dried, heated and pressurized. Compared with TOMBO No. 6100-B-SN, wear resistance under high temperature is improved by adding special fiber.

● TOMBO® No. 6100-B-G0-S

Brown colored glass-free non-asbestos woven brake lining for dynamic braking made of heat-resisting organic fiber cloth woven by using metal wire, impregnated with special resin binder, dried, heated and pressurized. No skin itchiness which is otherwise common with glass fiber.

● Features

- Woven non-asbestos with metal wire insertion.
- Reasonably flexible and can be bent to contact brake shoes or bands.
- Is recommended for heavy duty applications due to its high tensile strength and longer durability.

● Application

- Marine equipment such as anchor windlass and hoist.
- Draw works for on-and off-shore rig.
- Cranes, hoists and other heavy duty industrial equipment.

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● Performance

Temp. (°C)	Coefficient of Friction			Wear Rate (cm ³ /N·m)		
	B-SN	B-SC-S	B-G0-S	B-SN	B-SC-S	B-G0-S
100	0.54	0.40	0.52	0.64 x 10 ⁻⁷	0.52 x 10 ⁻⁷	0.40 x 10 ⁻⁷
150	0.52	0.49	0.52	0.82 x 10 ⁻⁷	0.66 x 10 ⁻⁷	0.50 x 10 ⁻⁷
200	N.A.	0.42	0.45	N.A.	1.05 x 10 ⁻⁷	0.80 x 10 ⁻⁷

* Test method : JIS D 4411 Contact Pressure-1MPa loaded to specimen Velocity-7m/s.

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

* Friction values deviate with changes in temperature, pressure and speed.

● Physical Properties

Test Item	B-SN	B-SC-S	B-G0-S
Specific Gravity(g/cm ³)	1.1	1.1	1.2
Tensile Strength(N/cm ²)	3569	3008	1300
Compressive Strength(N/cm ²)	N.A.	4500	4500

* Test method of Tensile Strength : JIS R 3455 Thickness - 8mm.

* Test sample of Compressive Strength date : 20mm x 20mm x 6mm thickness.

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

● Standard Size

Thickness(mm)	6, 8, 10, 12.5, 16
Width(mm)	Maximum : 360
Length(meter/coil)	Maximum : 20

* Various sizes are available on request.

⚠ CAUTION

- 1) The information and recommendation in this publication are based on our present state of knowledge and given in good faith for customer guidance purpose, and no liability will be accepted in relation to the same.
- 2) Properties/applications shown in this publication are typical. The products shown in this publication shall not be used for any purpose other than prescribed application.
- 3) Performance data shown in this publication are developed from in-house testing and/or field reports from customers. Failure to select the proper products could result in property damage and/or serious personal injury.
- 4) Performance verification under actual operating conditions is recommended even for the application shown in this publication.
- 5) While the utmost care has been used in compiling this publication, we assume no responsibility for errors. This edition cancels previous issues and contents of this publication are subject to change without prior notice.
- 6) For safe handling recommendations and health related effects, refer, to the material safety data sheet (MSDS) of each product, available on request.

Observe the safety instructions in MSDS (Material Safety Data Sheet).

 **NICHIAS Corporation**

Agent/Distributor

1-26, Shiba-daimon 1-chome,
Minato-ku, Tokyo 105, Japan
Phone : +81-3-3433-7261
Facsimile : +81-3-3438-0670
Website: <http://www.nichias.co.jp>