



Material: FTL094 Non-Asbestos Woven Brake Lining



Non-asbestos woven brake lining made of heat-resisting organic fiber and fine brass wire, impregnated with special resin binder. FTL094 is free from the particular prickliness of traditional Non-Asbestos brake lining as it does not contain glass fibre at all. Color is brown.

DENSITY:
1,200 kgs/m³ approx

FEATURES:

- Woven non-asbestos with fine brass wire insertion.
- Reasonably flexible and can be bent to contact brake shoes or bands
- They are recommended for heavy duty applications due to its high tensile strength and longer durability.
- Since bituminous binder is not used, it has higher oil and heat resistance.

APPLICATION:

- Marine equipment such as anchor windlass and hoist.
- Draw works for on-and off-shore rig.
- Lifts and Elevators.
- Centrifugal equipment for sugar industry.
- Cranes, hoists, hauling trucks and other heavy duty industrial equipment.

STANDARD THICKNESS

6, 8, 10, 12.5, 16.5

TOLERANCE

Range of Size		FTL094
Thickness	4.6~8.0	±0.5
	8.1~10.0	±0.8
	11.0~16.0	±0.9
Width	31~60	±3.2
	61~100	±4.0
	101~315	±5.0
	316~360	±6.0
Length	100~250	+5,0
	251~1600	+10,0
	1601~5000	+20,0
	5001~10000	+50,0
	10001~15000	+60,0

FRICITION PERFORMANCE:

* Test method : JIS D 4411 Friction force- 1±0.02MPa

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

* Friction values deviate with changes in temperature, pressure & speed & a 25 - 50% safety factor should be included for practical design.

Temp. (°C)	Coefficient of Friction		Wear Rate (cm ³ /N.m)	
	FTL094		FTL094	
100	0.40~0.65		<0.8 × 10 ⁻⁷	
150	0.40~0.65		<1.2 × 10 ⁻⁷	
200	0.30~0.60		<1.5 × 10 ⁻⁷	

TENSILE STRENGTH:

*Test method : JIS R 3455

Thickness(mm)	FTL094
4.5~8.0	1200 and more
8.1~10.0	1100 and more
10.1~12.5	1000 and more
12.6~16.0	900 and more

FLEXIBILITY PERFORMANCE:

*Test method : JIS 3455

*The length of sample is same as the half of circumference of a cylinder. The sample is bent along the cylinder. Then check if a crack is occurred. The values as above indicate that there are no crack when the cylinder is used.

Thickness(mm)	Diameter of a cylinder(mm)	
	FTL094	
4.5~8.0	150	
8.1~10.0	200	
10.1~12.5	250	
12.6~16.0	300	

