Friction Technology Ltd
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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 paticular prickliness of traditionalNon-Asbestos brake lining as it does not contain glass fibreat 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	4.6~6.0	±0.5
	6.1~10.0	±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

FRICTION 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. (℃)	Coefficient of Friction	Wear Rate (cm3/N.m)
	FTL094	FTL094
100	0.40~0.65	$<0.8 \times 10^{-7}$
150	0.40~0.65	$<1.2 \times 10^{-7}$
200	0.30~0.60	$<1.5 \times 10^{-7}$

TENSILE STRENGTH:
*Test method : JIS R 3455

Thickness(mm)	FTL094
4.5~6.0	1200 and more
6.1~8.0	1100 and more
8.1~10.0	1000 and more
10.1~12.5	900 and more
12.6~16.0	800 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 clack when the cylinder is used.

Thickness(mm)	Diameter of a cylinder(mm)
	FTL094
4.5~6.0	150
6.1~8.0	200
8.1~10.0	250
10.1~12.5	300
12.6~16.0	350