



Material: FTL095 Non-Asbestos Woven Brake Lining



Description

Non-asbestos woven brake lining made of glass fiber yarn and fine brass wire, impregnated with special resin binder. Colour is yellowish. 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

6, 8, 10,

Tolerance

Range of Size	
Thickness	4.6~6.0
	6.1~10.0
	11.0~16.0
Width	31~60
	61~100
	101~315
	316~360
Length	100~250
	251~1600
	1601~5000
	5001~10000
	10001~15000

(Unit : mm)

FTL095
±0.5
±0.8
±0.9
±3.2
±4.0
±5.0
±6.0
+20,0
+20,0
+25,0
+50,0
+100,0

Friction Performance

Temp. (°C)	Coefficient of Friction		Wear Rate (cm ³ /N.m)	
		FTL095		FTL095
100		0.33~0.60		<0.8 × 10 ⁻⁸
150		0.36~0.60		<1.2 × 10 ⁻⁸
200		0.36~0.60		<1.5 × 10 ⁻⁸

Tensile Strength

(Unit : N/cm²)

Thickness(mm)	FTL095
4.5~6.0	1900 and more
6.1~8.0	1800 and more
8.1~10.0	1700 and more
10.1~12.5	1600 and more
12.6~16.0	1500 and more

*Test method : JIS R 3455

*The samples are stretched parallel to stitch.

Flexibility Performance

Thickness(mm)	Diameter of a cylinder(mm)	
		FTL095
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

*Test method : JIS 3455

*The length of sample is same as the half of the circumference of a cylinder.

The sample is bent along the cylinder. A check is made to see if cracking has occurred

The values as above indicate that there are no cracking occurred during the test.

