



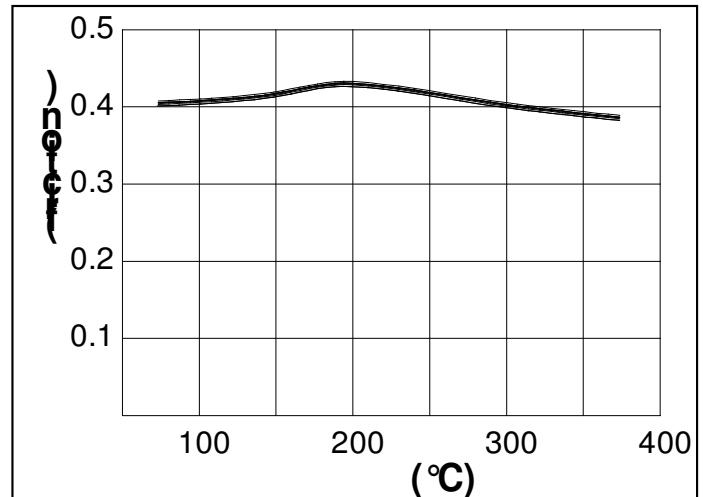
Material: FTL133.1

Material Description

FTL 133.1 is a fully cured, flexible, non-asbestos, moulded brake lining. It uses a basis of fibres with added brass chippings to increase thermal conductivity. It is flexible and in contrast with other materials in its kind it has a high elasticity which allows the material to be bent in small radii without tearing or fracturing.

FTL 133.1 can be hot bonded with common brake lining adhesives or riveted. Heat treatment does reduce flexibility but does not affect the properties of which the most important are the excellent temperature and wear resistance of the material, it is known for its smooth, silent operation.

It is designed for use in dry conditions, not suitable for use in oil.



Typical applications include industrial drum and band brakes such as found on crane and excavators, clutches, (low to medium speed) vehicle brakes, etc.

PROPERTY	UNIT	
Density	g/cm ³	1.71
Tensile strength at 20 °C	N/mm ²	7.6
Tensile strength at 250 °C	N/mm ²	6.2
Compressive strength at 20 °C	N/mm ²	45
Shear strength at 20 °C	N/mm ²	5.2
Oil resistance	-	Poor
Average dry friction coefficient	-	0.38
Maximum continuous temperature	°C	150
Maximum intermittent temperature	°C	250
Maximum temperature	°C	350
Recommended mating surface	-	Cast iron or steel, hardness > HB180

Availability: in rolls and finished components

Roll length: 5m

Thickness: 3.2 to 16mm

Width: up to 200mm