



Material: FTL133

General Description

Dynamex FTL133 is a woven non-asbestos friction material manufactured from a solid woven cotton fabric, impregnated with special resins, to produce a strong, flexible material with a high coefficient of friction.

Application

Suitable for dry running where a high coefficient of friction is required but where temperatures are not too high. Used on electro-magnetic brakes, domestic appliances, winches, cone clutches, hoists and textile machinery. May be made more flexible to aid fitting by heating in an oven at 100°C.

Not recommended for oil immersed applications.

Bonding

FTL133 may be bonded using any of the established adhesives recommended for friction material. However, to obtain the best results it is necessary to use a thermosetting adhesive but bonding cure temperature should not exceed 150°C.

Mating Surface

A good quality, fine grained, pearlitic cast iron. Forged or cold rolled steel with a Brinell hardness of at least 135 but preferably 200 or higher.

Size range

Nominal roll length	10 metres
Thickness	3 mm – 25 mm
Width	up to 510 mm

Can be supplied as cut and shaped linings, cone linings and flat sheet.

TECHNICAL DATA

Friction

for design purposes, static (cold)	0.50
dynamic	0.47

Recommended operating range

Pressure

Dynamic	70-690 KN/m ²
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Max. rubbing speed

18 m/s

Max. continuous temperature

90 0C

Max. intermittent temperature

130 0C

Physical Properties

Density 1.08 g/cc

Ultimate tensile strength

27.5 MN/m²

Ultimate compressive strength

41.3 MN/m²

Ultimate shear strength

12.4 MN/m²

Rivet holding capacity

72.4 MN/m²

Thermal conductivity

0.5 W/m°C