



Material: FTL106

Description

FTL106 is a rigid, asbestos free moulded friction material. It contains glass, ceramic and steel fibres. FTL106 has a medium-high coefficient of friction, high tensile strength and low wear rate and contains brass chips and iron powder.

Application

Industrial brake blocks for cranes and winches.
Special shapes,
Press blocks,
Suitable for medium and heavy duty industrial applications

Matting Surface

A good quality, fine grained, pearlitic cast iron with a Brinell hardness of 200.

Friction

Coefficient of Friction under SAE J 661 a

Dynamic d	Normal	0.449
	Hot	0.459

Friction Class: F-G

Wear Rate under SAE J 661 a

(in weight)	0.53 grams
(in thickness)	0.009 inches

Recommended Operating Range

Max. Continuous temperature	280 0C
Max. Intermittent temperature	350 0C
Max Rubbing Speed	20m/seg (67 ft/seg)
Pressure	150 psi

Typical Physical Properties

Density	2.08
Hardness	88-90 under shore D
Ultimate Tensile Strength under ASTM-D 638-91:	3397 psi
Compressive Strength under ASTM-D 695-91:	
Axial	14573 psi
Transversal	21634 psi
Colour:	Black