Material: FTL105.1

Description

FTL105.1 is a rigid, asbestos free moulded friction material. It contains glass and ceramic fibres. FTL105.1 has a medium-high coefficient of friction, high tensile strength and low wear rate and contains brass chips.

Application

Gear clutch facings
Friction Disc & Linings
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	0.448
	Hot	0.413
Friction Class:	F-F	
Wear Rate under SAE J 661 a		
(in weight)		0.39 grams
(in thickness)		0.008 inches

Recommended Operating Range

Max. Continuous temperature	250 0C
Max. Intermittent temperature	320 0C
Max Rubbing Speed	20m/seg (67 ft/seg)
Pressure	150 psi

Typical Physical Properties

Density	1.9
Hardness	88-90 under shore D
Ultimate Tensile Strength under ASTM-D 638-91:	2300 psi
Compressive Strength under ASTM-D 695-91:	
Axial	12673 psi
Transversal	11300 psi
Colour:	Grey

The information supplied in this data sheet is believed to be accurate and reliable, and was obtained by scientific and laboratory testing. However, since actual conditions of use are largely outside the control of FRICTION TECHNOLOGY LTD, it is suggested that this material be thoroughly tested and its suitability for use be determined before final acceptance