



Material: FTL180

Description

FTL180 is a specialised Kevlar® based friction material aimed primarily at medium/heavy duty industrial applications – both dry running and oil immersed. Developed upon a new revolutionary formula, this material behaves as an ideal in terms of exceptionally low wear rates, great uniformity of frictional co-efficient and smoothness of running, even at elevated temperatures. Besides its operating characteristics, FTL180 material has been designed with ecology in mind – the material itself and production process employing no hazardous / contaminating products or by-products. FTL180 is also suitable for gear toothed applications and is most commonly used as a replacement for sinter material.

Primary Constituents

Synthetic Fibres
Modified Phenolic Resins
Metal oxides

Technical Data

Burst resistance (200 X 130 X 3.50)	>18,200rpm @ 200°C 200rpm/s
Friction coefficient	0.58 ± 0.03
Typical wear rate (@ 77N, 7m/s, 300°C) as per F.A.S.T	48 ± 5mm ³ /kW.h
Max recommended operating temps	
Continuous application	250°C
Intermittent application	350°C
Specific gravity	1.00 ± 0.05
Hardness (SHORE - D)	80 ± 3
Porosity	0.35 ± 0.03

μ_e vs temperature (F.A.S.T) const friction mode @ 77N & 7m/a

