

FTL177

✓ **General description:**

FTL177 has been developed to produce a low wearing material suited to constant operation.

Having relatively high graphite content, not only the difference between dynamic and static friction coefficient is reduced, but also its operational noise level.

✓ **Application:**

FTL177 is suitable for:
Continuous brakes
Friction washers
Torque limitors

✓ **Bonding:**

FTL177 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. The material is supplied ground on both surfaces, and so can be bonded on either surface without any preparation providing it is kept clean

✓ **Mating Surface**

A good quality, fine grained, pearlitic cast iron or cold rolled steel with a Brinell hardness between 150 - 200. Cast steels are not recommended.

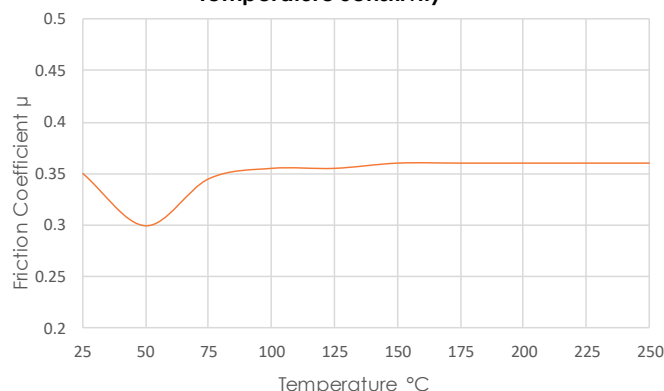
✓ **Recommended Operation Range:**

Max. continuous temperature 250 °C
Max. intermittent temperature 350 °C

✓ **Technical Data**

Dynamic Friction Coefficient	0.38
Density (ASTM D792-91)	1.82 gr/cm ³
Tensile Strength (ASTM D638-10)	16N/mm ²
Compressive Strength (UNE 53205)	84 N/mm ²
Ultimate Compressive Strength (UNE 53205)	101 N/mm ²
Acetone Extraction	<1.6%
Hardness	78(Shore-D)
Ignition Loss	37%
Wear Rate (79N,7m/s)	42 mm ³ /kWh
T° Fading (10bar,10m/s)	320°C

Temperature Sensitivity



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