

FTL087

✓ **General description:**

FTL087 is a rigid moulded material dark in colour, with a medium-high friction coefficient and excellent mechanical resistance.

FTL087 is fully cured for bonding and riveting and is oil resistant.

✓ **Application:**

Damper Technologies
 Gear toothed disc.
 Static brakes.
 Wind turbine (Yaw Brake)

✓ **Mating surface:**

A good quality, fine grained pearlitic cast iron with Brinell hardness between 150 – 200 is recommended.

✓ **Bonding:**

FTL087 The best results it is necessary to use a thermosetting adhesive.

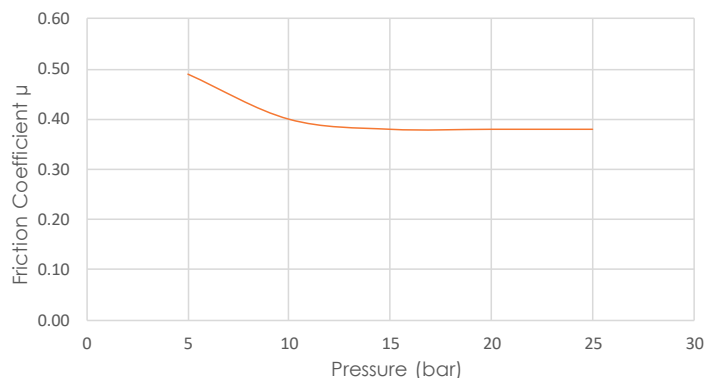
✓ **Recommended Operation Range:**

Max. continuous temperature 250 °C
 Max. intermittent temperature 300 °C

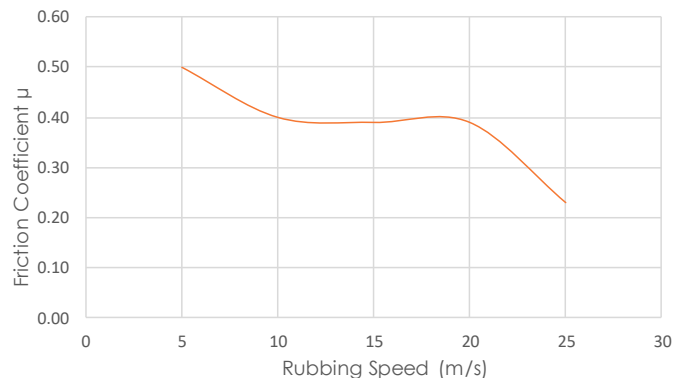
✓ **Physical Properties**

| | |
|-------------------------------------|-------------------------|
| Dynamic Friction Coefficient | 0.47 |
| Static Friction Coefficient | 0.53 |
| Density | 1.72gr/cm ³ |
| Tensile Strength | 22 N/mm ² |
| Compressive strength | 108/ N/mm ² |
| Shear Module (G) | 2700 N/mm ² |
| Young Modulus | 5550 N/mm ² |
| Poisson Coefficient | 24 |
| T° Fading | 255 °C |
| Thermal conductivity | 0.48W/m°K |
| Wear Rate | 45 mm ³ /Kwh |
| Hardness | 87Shore D |
| Acetone Extraction | 0.13% |
| Ignition loss | 32% |

Friction Coefficient vs Pressure (Speed 10m/s; Temperature 100°C)



Friction Coefficient vs Rubbing Speed (Pressure 10 bar; Temperature 100°C)



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.