

FTL146

✓ **General description:**

FTL146 is a medium friction, rigid, non-metallic material supplied as compression moulded slabs and flat shapes.

✓ **Application:**

FTL146 exhibits sufficient strength, and is recommended for, light to medium duty gear tooth facings, notched drivers or wing turbines yaw systems. **FTL146** may be used dry or in oil immersed applications.

✓ **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.

✓ **Bonding:**

FTL146 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

✓ **Availability:**

Sheets

900 x 700 x 3.2 mm

Disc thickness: 25.4 mm

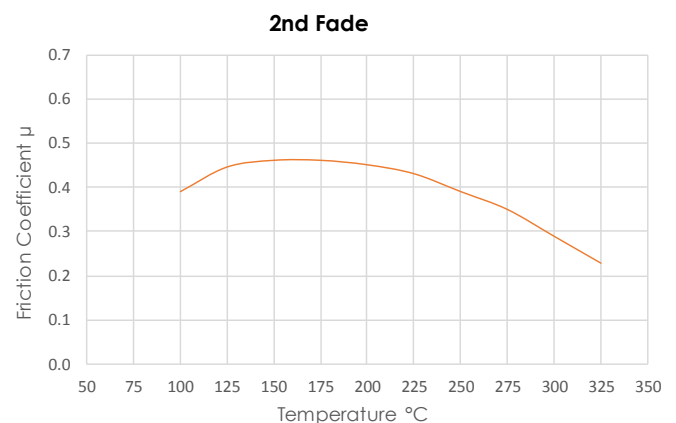
Discs and special shapes on request

✓ **Recommended Operation Range:**

Max. Dynamic pressure	2 N/mm ²
Min. Continuous temperature (dry)	260 °C
Min. Continuous temperature (oil)	82 °C
Max. Intermittent temperature (dry)	325 °C
Max. Intermittent temperature (oil)	138 °C
Max. Rubbing speed (dry)	25m/s
Max. Rubbing speed (oil)	15m/s

✓ **Technical Data:**

Friction Coefficient (Normal)	0.41
Friction Coefficient (Hot)	0.33
Friction Coefficient (Static 100°C)	0.45
Friction Coefficient (Static 200°C)	0.35
Density	1.8 g/cm ³
Tensile Strength	36 N/mm ²
Compressive Strength	162 N/mm ²
Shear Strength	20 N/mm ²
Flexural Strength	67 N/mm ²
Wear Rate	54.6mm ³ /kWh
Gogan Hardness	17



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 Friction Technology Ltd, it is suggested that this material be thoroughly tested and its suitability for use be determined before final acceptance.