

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 wind 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:

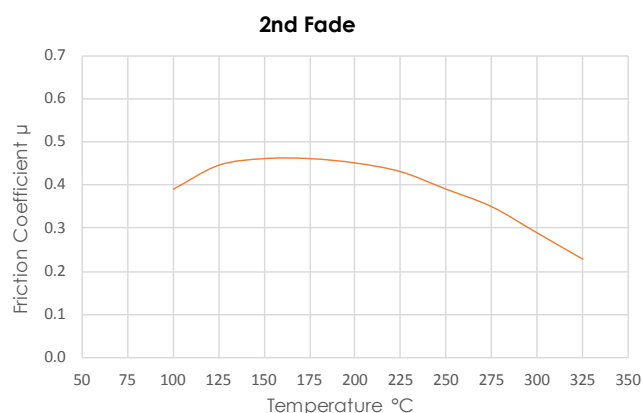
Sheets 900 x 700mm x 3.2mm up to 25.4mm thick
Discs and special shapes on request

✓ Recommended Operation Range:

Max Dynamic Pressure	2 N/mm ²
Min continuous temperature Dry	260 °C
Min continuous temperature In Oil	82 °C
Max intermittent temperature Dry	325 °C
Max intermittent temperature In Oil	138 °C
Max rubbing speed Dry	25m/s
Max rubbing speed In 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.