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 facing, 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 700mm x 3.2mm up to 25.4mm thick Discs and special shapes on request.

Recommended Operation Range:

Max Dynamic Pressure 2 N/mm²
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

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.