

FTL142 (WT)

✓ General description:

FTL142(WT) is a rigid moulded, resin based material, containing non-asbestos mineral fibres in a random dispersion with selected friction modifiers. Specifically designed for wind turbine yaw brakes. **FTL142(WT)** is noise free and smooth in operation. It has a medium coefficient of friction with a good resistance to fade and wear.

Both surfaces are ground during manufacture so that it can be either bonded or riveted to brake shoes and metal parts.

✓ Application:

Industrial drum and band-brakes.
Industrial clutches.
Crane and excavator brake and clutch linings.
Miscellaneous industrial devices.
Wind Turbine Yaw applications.

✓ Bonding:

FTL142(WT) 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.

✓ Mating Surface

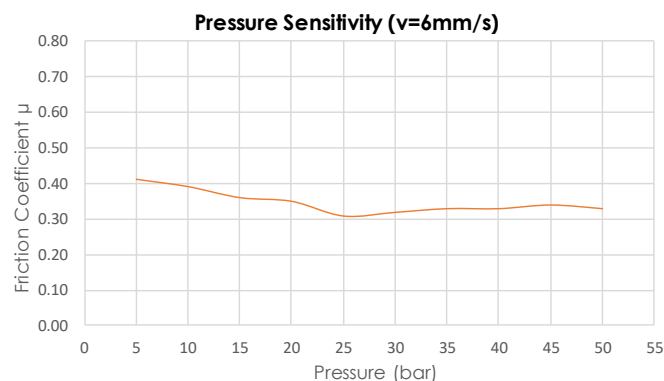
A good quality, fine grained, pearlitic cast iron or cold rolled steel with a Brinell hardness of 180. Cast steels are not recommended

✓ Recommended Operation Range:

Temperature Range	-40 to 80 °C
Static Pressure	19 N/mm ² max
Yaw Application Pressure	5 N/mm ² max

✓ Technical Data

Friction Coefficient	0.3 to 0.4
Density	2.1 g/cm ³
Tensile Strength	15.2 N/mm ²
Compressive Strength	128 N/mm ²
Shear Strength	16 N/mm ²
Wear Rate	53mm ³ /kWh



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.