

High Performance Bearing Material



FEROFORM T814 is a composite material made from woven fibre bonded with resin with PTFE as a friction modifier.

FEROFORM T814 has strength, durability, dimensional stability, low friction, and excellent wear characteristics. It has the ability to run both dry and wet with water lubrication making it extremely useful in Hydro and Marine applications.

In Hydro Electric Power applications **FEROFORM T814** replaces traditional grease lubricated bearings to provide a “fit and forget” solution, promoting a cleaner environment whilst reducing operating costs. Marine bearing applications for **FEROFORM T814** include davits, stern rollers, winches, cranes and deck machinery.

Availability: **FEROFORM F3637** is available in sheets, tubes, rods and fully machined parts.

Sheets:

Thickness: 1.6 – 101.6 mm

Sizes: 1200 – 1220 mm

Tubes:

Length: 1220 mm

Minimum Inside diameter: Ø20 mm

Minimum Outside diameter: Ø30 mm

Maximum Outside diameter: On request



Rods:

Length: 1220mm

Diameter: Ø19 mm – 111mm

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PROPERTY	UNITS	T814
Coefficient of Friction	dry	0.04 - 0.28
Compressive Strength	MPa	272
Normal Working Pressure	MPa	75
Compressive Yield	% @ 68.9 MPa	3.74
Impact Strength	kJ/m ²	83
Shear Strength	MPa	74
Hardness	Brinell	19
Swell in Water	% @ 20 °C	0.46
Density	g / cm ³	1.32
Coefficient of Thermal Expansion	10-6/°C Normal	45
	10-6/°C Parallel	35
Maximum Continuous Operating Temperature	°C	100
Maximum Intermittent Operating Temperature	°C	120

The information contained in this data sheet is presented in good faith. They are typical test results tested generally in accordance with BS, ISO and ASTM test methods and should not be used for specifications. GlobalEngineering LTD. does not warrant the conformity of its materials to the listed properties or their suitability for any particular purpose.

For further information please contact us at 647-270-9450