

## High Performance Bearing Material



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

FEROFORM T814 has been developed as a high performance bearing material for both wet and dry service, making it extremely

useful in Hydro and Marine applications.

**TENMAT** FEROFORM T814 replaces traditional grease lubricated bearings, promoting a cleaner environment whilst reducing operating cost.

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 <sup>2</sup>	83
Shear Strength	MPa	74
Hardness	Brinell	19
Swell in Water	% @ 20 °C	0.46
Density	g / cm <sup>3</sup>	1.32
Coefficient of Thermal Expansion	10 <sup>-6</sup> /°C Normal	45
	10 <sup>-6</sup> /°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. **TENMAT** does not warrant the conformity of its materials to the listed properties or their suitability for any particular purpose.

For further information please contact our Technical Sales Department on +44 161 872 2181.