

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.

The material is available as sheets (48"x48") with various thicknesses and tubes (48" long) with diameters ranging from 1" up to 38".



PROPERTY	UNITS	T814
Coefficient of Friction	Dry	0.07 - 0.10
Compressive Strength	MPa @ ambient (A/B)	310 / >400
Normal Working Pressure	MPa	75
Compressive Yield	% @ 68.9 MPa	4.3
Impact Strength	kJ/m ²	83
Shear Strength	MPa	72
Brinell Hardness		17
Swell in Water	% @ 20 °C	0.25
Density	g / cm ³	1.31
Coefficient of Thermal Expansion	10 ⁻⁶ /°C Normal 10 ⁻⁶ /°C Parallel	43 31
Maximum Continuous Operating Temperature	°C	100
Maximum Intermittent Operating Temperature	°C	120

*A tested on BS2782 on 25 x 25 x 25 sample

*B tested on 50 x 50 x 5 sample, 400 MP is limit of test equipment

Tested on sheets samples, PR18 tested on tube samples

The information contained in this data sheet is presented in good faith. They are typical test results tested generally in accordance with BS 2782 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.