

## Multipurpose Bearing Material

**TENMAT** FEROFORM T14 is a composite material made from woven fibre bonded with resin.

FEROFORM T14 has been developed as a superior bearing material used in many marine and industrial applications. It is used in dry and water lubricated general purpose applications.

**TENMAT** FEROFORM T14 has strength, durability, dimensional stability, and excellent wear characteristics.

The material is available as sheets (1220mm x 1220mm) in various thicknesses, rods and tubes (1200mm long) with external diameters ranging from 30mm up to 1175mm.

Fully machined components and parts to customer requirements and other sizes are available upon request.



PROPERTY	UNITS	T14
<b>Coefficient of Friction</b>	Dry	0.08 - 0.15
<b>Compressive Strength</b>	MPa	300 <sup>*A</sup> / >400 <sup>*B</sup>
<b>Normal Working Pressure</b>	MPa	75
<b>Compressive Yield</b>	% @ 68.9 MPa	3.6
<b>Impact Strength</b>	kJ/m <sup>2</sup>	109
<b>Shear Strength</b>	MPa	65
<b>Hardness</b>	Brinell	15
<b>Swell in Water</b>	% @ 20 °C	0.2
<b>Density</b>	g / cm <sup>3</sup>	1.29
<b>Coefficient of Thermal Expansion</b>	10 <sup>-6</sup> /°C normal 10 <sup>-6</sup> /°C parallel	50 30
<b>Maximum Continuous Operating Temperature</b>	°C	100
<b>Maximum Intermittent Operating Temperature</b>	°C	120

<sup>\*A</sup> tested on BS2782 on 25 x 25 x 25 sample

<sup>\*B</sup> 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.