

FEROFORM PR18 Bearing Material

TENMAT FEROFORM PR18 is a self lubricating composite material, made from synthetic woven fibres which are impregnated with resins and friction modifiers

It is an ideal bearing material for a wide range of bearing applications. These include bearings for rudders (approved by the major marine classification societies) and all general purpose bearing applications such as deck equipment, pumps, offshore marine equipment etc.



FEROFORM PR18 is designed to give excellent service in dry applications possessing very low stick slip but also fully compatible with all common lubricants such as water, oils and greases.

PROPERTIES	UNITS	PR18
Density	g/cm ³	1.28
Ultimate Compressive Strength	MPa (A/B)	259/395
Normal Working Pressure	MPa	87.5
Compressive Yield @ 68.9 MPa	%	2.7
Brinell Hardness		18
% Swell in Water	@20°C	0.05
Average Coefficient of Friction	Dry	0.08
Average Coefficient of Friction	Wet	0.12
Impact Strength	kJ/m ²	33
Coefficient of Thermal Expansion (normal)	10 ⁻⁶ /°C	93
Coefficient of Thermal Expansion (parallel)	10 ⁻⁶ /°C	N/A
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.