

FEROFORM T814 is a composite material made from woven fiber 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.

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

Properties	Units		
Coefficient of Friction (DRY)	-	0,07 – 0,10	
Swell in Water @ 20 °C	%	0,25	
Ultimate Compressive Strength	MPa	310 *A	
Compressive Yield @ 68,9 MPa	MPa	>400 *B	
Normal Working Pressure	%	4,3	
Thermal Expansion	MPa	75	
Thermal Expansion	Normal	10 ⁻⁶ /°C	43
	Parallel	10 ⁻⁶ /°C	31
Maximum Operating Temperature	Continuous	°C	100
	Intermittent	°C	120
Shear Strength	MPa	72	
Impact Strength	kJ/m ²	83	
Hardness	Brinell	17	
Density	g/cm ³	1,31	

*A Tested on BS2782 on 25 x 25 x 25 sample

*B Tested on 50 x 50 x 5 sample, 400 MPa is limit of test equipment

Availability:

Sheet:	Size:	1220 x 1220 mm
	Thickness:	1,6 – 100 mm
Tube:	Length:	1200 mm
	Minimum Inside diameter:	Ø20 mm
	Maximum Outside diameter:	Ø1175 mm (larger outside diameter on request)
Rod:	Length:	1200 mm
	Diameter:	Ø19 – Ø111 mm