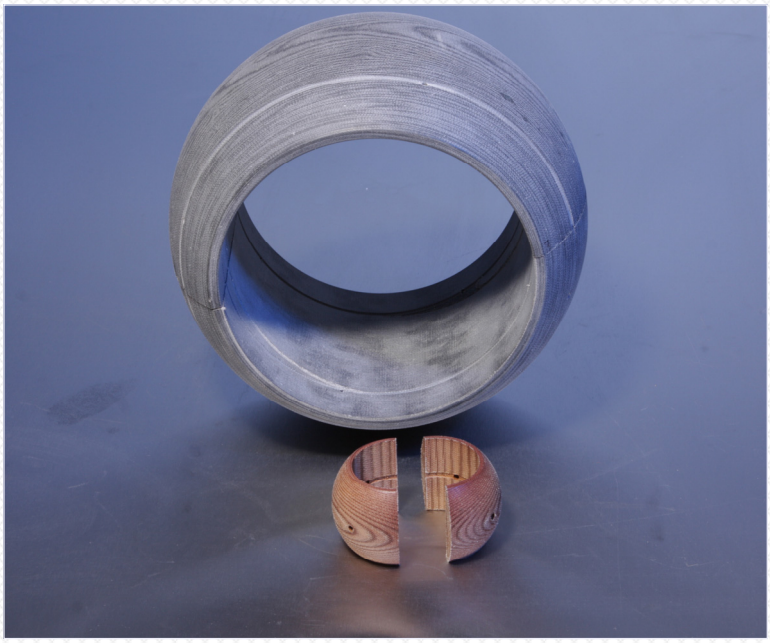
TENMAT ADVANCED MATERIALS

FEROFORM T12

FEROFORM T12 Bearing Material

TENMAT FEROFORM T12 has been developed as a superior electrolytic water lubricated general purpose wearing and bearing material for many marine and industrial applications offering low wear and friction rates due to the inclusion of molybdenum disulphide.

TENMAT FEROFORM T12 is approved by major classification societies and many Navies for ships bearing applications including stern tube, rudder and deck equipment.



PROPERTY	UNITS	T12
Coefficient of Friction	Dry	0.08-0.19
Compressive Strength	MPa @ ambient	310*A / >400*B
Normal Working Pressure	MPa	75
Compressive Yield	% @ 68.9 MPa	4.4
Impact Strength	kJ/m^2	72
Shear Strength	MPa	62
Brinell Hardness		18
Swell in Water	% @ 20 °C	0.2
Density	g / cm^3	1.30
Coefficient of Thermal Expansion	10^{-6}/°C normal 10^{-6}/°C parallel	50 21
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

Technical Data Sheet