KUHNE INDUSTRIE BV

Multiglide / FEROFORM T12

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.

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

Properties		**Units**	
Coefficient of Friction (DRY)		-	0,08 – 0,19
Swell in Water @ 20℃		%	0,2
Ultimate Compressive Strength		MPa	310 *A
		MPa	>400 *B
Compressive Yield @ 68,9 MPa		%	4,4
Normal Working Pressure		MPa	75
Thermal Expansion	Normal	10^{-6}/℃	50
	Parallel	10^{-6}/℃	21
Maximum Operating Temperature	Continuous	℃	100
	Intermittent	℃	120
Shear Strength		MPa	62
Impact Strength		kJ/m²	72
Hardness		Brinell	18
Density		g/cm³	1,30

*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:	On request
Rod:	Length:	1200 mm
	Diameter:	Ø19 – Ø111 mm

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