

– High Temperature Bearing Material

TENMAT FEROFORM F3637 has been specially developed as a high-performance bearing material ideal for high temperature bearing applications. This low friction composite material exhibits superior thermal insulation properties. Thus, FEROFORM F3637 has found success as the material of choice for load bearing insulation pads used to support sulphur, asphalt, bitumen, and coal tar tanks up to 280 °C.



FEROFORM F3637 has low thermal conductivity and as such achieves a significant temperature difference across the pad thickness. FEROFORM F3637, reinforced with high-quality engineering fibres, has typically 4 times the load bearing capacity of traditional systems. For over 20 years, F3637 components have been specified on over 60 vessels of up to 37,000 tonnes in weight, classed by B.V., D.N.V., G.L., A.B.S., N.K.K., and Lloyds.

PROPERTY	UNITS	F3637
Maximum Continuous Operating Temperature	°C	200
Maximum Intermittent Operating Temperature	°C	300
Coefficient of Thermal Expansion (normal)	10 ⁻⁶ / °C	29
Coefficient of Thermal Expansion (parallel)	10 ⁻⁶ / °C	15
Ultimate Compressive Strength	MPa	301
Normal Working Pressure	MPa	80
Compressive Yield @ 68.9 MPa	%	2.8
Coefficient of Friction	Dry	0.28
Swell in Water @ 20 °C	%	0.5
Hardness	Brinell	38
Impact Strength	kJ/m ²	90
Shear Strength	MPa	101
Density	g / cm ³	1.54

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.