

General Purpose Bearing Material



TENMAT FEROFORM F363 is a cured phenolic resin matrix reinforced with a woven glass/aramid fibre cloth with a friction modifier evenly dispersed throughout the matrix.

TENMAT FEROFORM F363 has been developed as a general purpose wearing and bearing material for many industrial applications offering low wear and friction rates.

FEROFORM F363 is normally used for both wet and dry operations such as bearing pads, pump bushes, high temperature insulation and bearing plates etc.

FEROFORM F363 is available in sheets, tubes, rods and fully machines parts.

Sheets:

Thickness: 1.6 – 101.6 mm

Sizes: 1220 – 1220 mm

Tubes:

Length: 1220 mm

Minimum Inside diameter: Ø20 mm

Minimum Outside diameter: Ø30 mm

Maximum Outside diameter: On request

Rods:

Length: 1220mm

Diameter: Ø19 mm – 111mm

Fully machined components and parts to customer requirements and other sizes are available upon request.

PROPERTY	UNITS	TYPICAL VALUE
Maximum Continuous Operating Temperature	°C	200
Ultimate Compressive Strength	MPa	318
Normal Working Pressure	MPa	75
Compressive Yield @ 68.9 MPa	%	2.23
Impact Strength	kN	90
Shear Strength	MPa	97
Hardness	Brinell	35
Density	g/cm ³	1.52
% Swell in Water	@20°C	0.48
	@80°C	1.34
Coefficient of Friction	Dry	0.21 - 0.26
Bond Strength	kN @ thickness	4.73@1/4" / 5.9@3/8"
Coefficient of Thermal Expansion	10 ⁻⁶ /°C	31

The information contained in this data sheet is presented in good faith. They are typical test results tested generally in accordance with BS, ISO 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.



SCAN TO SEE
F363 ONLINE

Issue 01/19