TENMAT ADVANCED MATERIALS

FEROGLIDE T401

High Temperature, Metal Backed Bearing Material

TENMAT FEROGLIDE T401 bearing material is a self-lubricating, resin impregnated hybrid cloth with PTFE fibres on the wear surface, bonded onto 316 stainless steel or Inconel 625 with special high temperature adhesive.

It has been developed for use as a low friction liner for valve stem bearings, particularly in high temperature applications such as steam and process chemical.

FEROGLIDE T401 bearings have excellent stability in chemicals and the process fluids for oil and gas applications, such as MEG and condensate inhibitors. Independent tests have verified the performance of FEROGLIDE T401 in sour gas applications.

PROPERTIES	UNITS	T401
Coefficient of Friction Dry		0.04 - 0.08*
Coefficient of Friction wet		0.02 - 0.08*
Maximum Compressive Load	MPa	240
Maximum Working Load (Dynamic) (at nominal 300 °C)	MPa	140 (suggested)
Maximum Speed (Dry)	M/min	10
Maximum PV (Dry)	$N/mm^2.m/min$	130 intermittent 40 continuous
Minimum Operating Temperature	°C	- 50 (nominal)
Maximum Operating Temperature	°C	+ 300

* Indicative data has been derived from various tests - loads, speed, temperature etc. all influence the results.

Technical Data Sheet