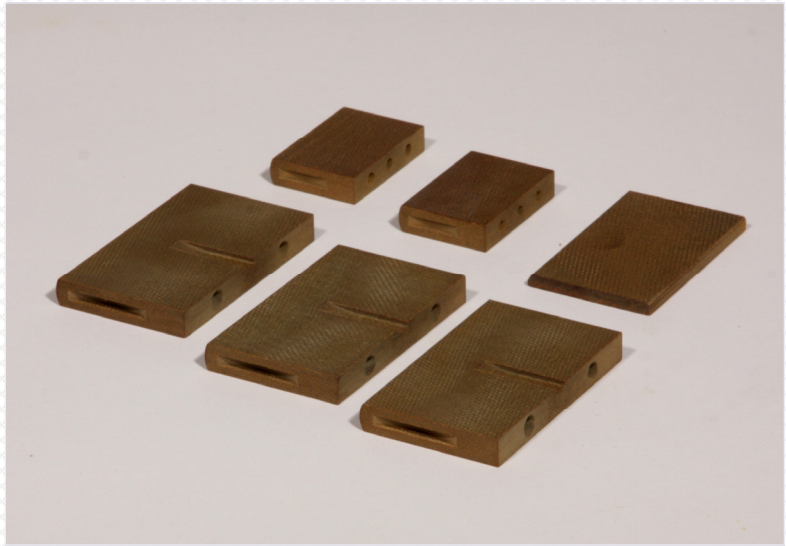


Rotor Vane Material

TENMAT FEROFORM F43 was specifically developed for oil lubricated single and two stage high vacuum pumps

TENMAT FEROFORM F43 is a unique blend of high temperature fibres and resins for the most demanding applications.

TENMAT FEROFORM F43 exhibits superb stability under vacuum, insensitivity to moisture, excellent strength retention, low noise, and fine machining ability.



PROPERTY	UNITS	F43
Flexural Strength	MPa @ 20 °C	440
	MPa @ 200 °C (4 days)	260
Flexural Modulus	GPa	22
	GPa @ 200 °C (4 days)	20
Bond Strength	KN @ 7.9 thick	5.7
Swell in Water (24 hours)	% @ 80 °C length	<0.02
	% @ 80 °C thick	<0.02
Vacuum Movement (96 hours)	% @ 125 °C length	<0.02
	% @ 125 °C thick	<0.02
Coefficient of Thermal Expansion	10 ⁻⁶ /°C length	13
	10 ⁻⁶ /°C thick	30
Density	g / cm ³	1.8
Maximum Continuous Operating Temperature	°C	200
Maximum Intermittent Operating Temperature	°C	225

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.