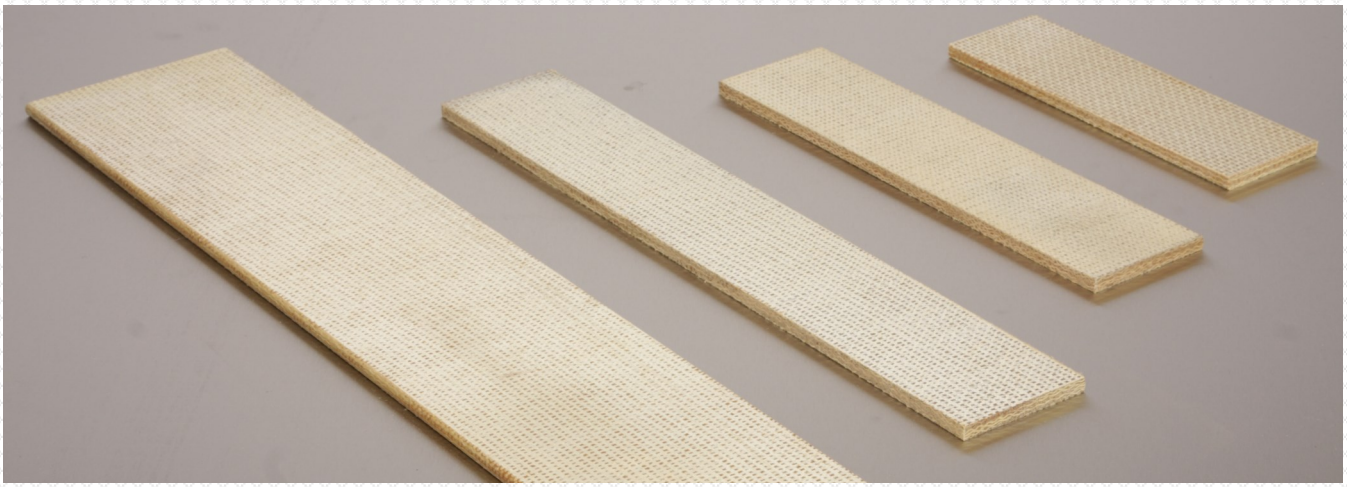
TENMAT ADVANCED MATERIALS

FEROFORM F57

Technical Data Sheet

Rotor Vane Material



FEROFORM F57 is a Kevlar reinforced high performance material for rotor vanes for compressors and vacuum pumps.

The main areas of use of **FEROFORM F57** are in milking pumps, blowers for cement plants, tanker discharge pumps, and high vacuum pumps.

FEROFORM F57 exhibits superb stability under vacuum, insensitivity to moisture, excellent strength retention, and low noise. The main areas of use are in single and two stage high vacuum pumps and compressors.

PROPERTY	UNITS	TYPICAL VALUE
Density	g / cm^3	1.24
Flexural Strength	MPa @ 20 °C MPa @ 200 °C (4 days) lbf/in^2 @ 20 °C lbf/in^2 @ 200 °C (4 days)	166 68 24,076 9,860
Flexural Modulus	GPa @ 20 °C GPa @ 200 °C (4 days) lbf/in^2 $x10^6$ @ 20 °C lbf/in^2 $x10^6$ @ 200 °C (4 days)	6.6 4.9 0.95 0.62
Compressive Strength	MPa lbf/in^2	368 53,373
Bond Strength	KN @ 7.9 thick	4.59
Coefficient of Thermal Expansion	10^{-6}/°C	11
Maximum Continuous Operating Tempera-	°C	200

For further information please contact our Technical Sales Department on +44 161 872 2181.

SCAN TO SEE F57 ONLINE

Issue 01/19