

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	166
	MPa @ 200 °C (4 days)	68
	lbf/in ² @ 20 °C	24,076
Flexural Modulus	lbf/in ² @ 200 °C (4 days)	9,860
	GPa @ 20 °C	6.6
	GPa @ 200 °C (4 days)	4.9
Compressive Strength	lbf/in ² x10 ⁶ @ 20 °C	0.95
	lbf/in ² x10 ⁶ @ 200 °C (4 days)	0.62
Bond Strength	MPa	368
	lbf/in ²	53,373
Coefficient of Thermal Expansion	KN @ 7.9 thick	4.59
Maximum Continuous Operating Tempera-	10 ⁻⁶ /°C	11
	°C	200

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.

