

FEROFORM F21 is a composite material made from woven fibre bonded with resin with a friction modifier.

FEROFORM F21 has been developed as a general purpose wearing and bearing material for many industrial applications, offering low wear and friction rates due to the inclusion of friction modifiers.

FEROFORM F21 is widely used in railway applications, such as Side Bearer

Liners, Corridor End Faces (vestibule buffers), and Tread Plates.



PROPERTY	UNITS	F21
Coefficient of Friction	Dry	0.17 - 0.23
Compressive Strength	MPa	180
Normal Working Pressure	MPa	48
Compressive Yield	% @ 68.9 MPa	1.8
Impact Strength	kJ/m ²	10
Shear Strength	MPa	35
Hardness	Brinell	30
Swell in Water	% @ 20 °C	0.5
Density	g / cm ³	1.36
Coefficient of Thermal Expansion	10 ⁻⁶ /°C normal	110
Maximum Continuous Operating Temperature	°C	130
Maximum Intermittent Operating Temperature	°C	150

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. Globalengineering LTD. does not warrant the conformity of its materials to the listed properties or their suitability for any particular purpose. For further information please contact us at 647-270-9450.