

High Performance Bearing Material



RAILKO NF21 and **NF22** grades have a resin bonded composite structure with added friction modifiers to give a controlled friction.

RAILKO NF has been developed as a general purpose wearing and bearing material for many industrial applications offering low wear and friction rates.

RAILKO NF21 and **NF22** are widely used in railway, pump and marine bearings, and industrial

engineering applications.

RAILKO NF21 and **NF22** are the same formulation. **NF21** is for flat products, and **NF22** is for cylindrical products. **RAILKO NF** is available as sheets, tubes, rods, finished machine parts, and fully finished bearings (full bearings, half shells, staves)

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PROPERTY	UNITS	TYPICAL VALUE
Compressive Strength	MPa	189
Compressive Yield @ 68.9 MPa	%	2.33
Normal Working Pressure	MPa	55
Shear Strength	MPa	41
Impact Strength	kJ/m ²	31
Coefficient of Friction	Dry	0.34 - 0.42
Hardness	Brinell	88
Density	g / cm ³	1.63
Coefficient of Thermal Expansion	x10 ⁻⁶ /°C Normal	43
	x10 ⁻⁶ /°C Parallel	41
Maximum Continuous Operating Temperature	°C	120
Maximum Intermittent Operating Temperature	°C	140

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.