

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.

PROPERTY	UNITS	NF21/NF22
Compressive Strength	MPa	192
Compressive Yield @ 68.9 MPa	%	2.4
Normal Working Pressure	MPa	55
Shear Strength	MPa	41
Impact Strength	kJ/m ²	32
Coefficient of Friction	Dry	0.36 - 0.4
Hardness	Brinell	23
Density	g / cm ³	1.64
Coefficient of Thermal Expansion	x10 ⁻⁶ /°C Normal x10 ⁻⁶ /°C Parallel	43 43
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 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.