

Railko NF21 & NF22 grades have a resin bonded composite structure with added friction modifiers to give a controlled friction.

Railko NF21 & NF22 have been developed as a general purpose wearing and bearing material for many industrial applications offering low wear and friction rates.

Railko NF21 & NF22 are widely used in railway, pump and marine bearings, and industrial engineering applications.

Railko NF21 and Railko NF22 are the same formulation. Railko NF21 is for flat products and mouldings and Railko NF22 is for cylindrical products.

Properties	Units		
Coefficient of Friction (DRY)	-	0,04 – 0,08 *A 0,36 – 0,4 *B	
Swell in Water @ 20 °C	%	0,2	
Ultimate Compressive Strength	MPa	192 *C	
Compressive Yield @ 68,9 MPa	MPa	>400 *D	
Normal Working Pressure	%	2,4	
Thermal Expansion	MPa	55	
	Normal	10 ⁻⁶ /°C	43
	Parallel	10 ⁻⁶ /°C	43
Maximum Operating Temperature	Continuous	°C	120
	Intermittent	°C	140
Shear Strength	MPa	41	
Impact Strength	kJ/m ²	32	
Hardness	Brinell	23	
Density	g/cm ³	1,64	

*A Typical friction during normal operation wet

*B Typical friction tested dry

*C Tested on BS2782 on 25 x 25 x 25 sample

*D Tested on 50 x 50 x 5 sample, 400 MPa is limit of test equipment

Availability:**Railko NF22:**

Tube: Length: 640 mm
 Minimum Inside diameter: Ø19 mm
 Maximum Outside diameter: On request

Railko NF21:

Sheet: Thickness: 4 – 85 mm
 Sizes: 660 – 1150 mm