

**RAILKO NF21 & NF22**



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 <sup>-6</sup> /°C
	Parallel	10 <sup>-6</sup> /°C
Maximum Operating Temperature	Continuous	°C
	Intermittent	°C
Shear Strength		120
Impact Strength		140
Hardness	MPa	41
Density	kJ/m <sup>2</sup>	32
	Brinell	23
	g/cm <sup>3</sup>	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