Technical Data Sheet



FEROLITE NAM 31 NON ASBESTOS GASKET JOINTING SHEET



Applications:

Certain chemicals have been kept at a minimum level, the excess of which might effect the media. It contains a high amount of mineral fibre which is bio-soluble & thus do not pose any health hazard. Therefore NAM 31 may be used for **food grade/drug application**. It does not contains any material which might contribute to bacterial or fungal growth. However, we stand no guarantee of contamination & are not liable for any consequences arising there off. The user must satisfy themselves regarding usages.

Approvals:-

1. KTW/DVGW Technical Standard W270

Approved by TZW In Accordance with the recommendations 1.3.13 the German Federal Health Office for materials in contact with drinking waters.

2. Tested in accordance to DIN EN 13555

Material Testing Institute University of Stuttgart

- Lekage test Qs win (L)
- Compretion test Qs max & Eg
- Creep relaxation test PQR

(Approval certificate Available in our website)

General data:

Material Composition

Aramid Fiber, Mineral Fibre (Type of fibres)

Binders NBR Elastomers

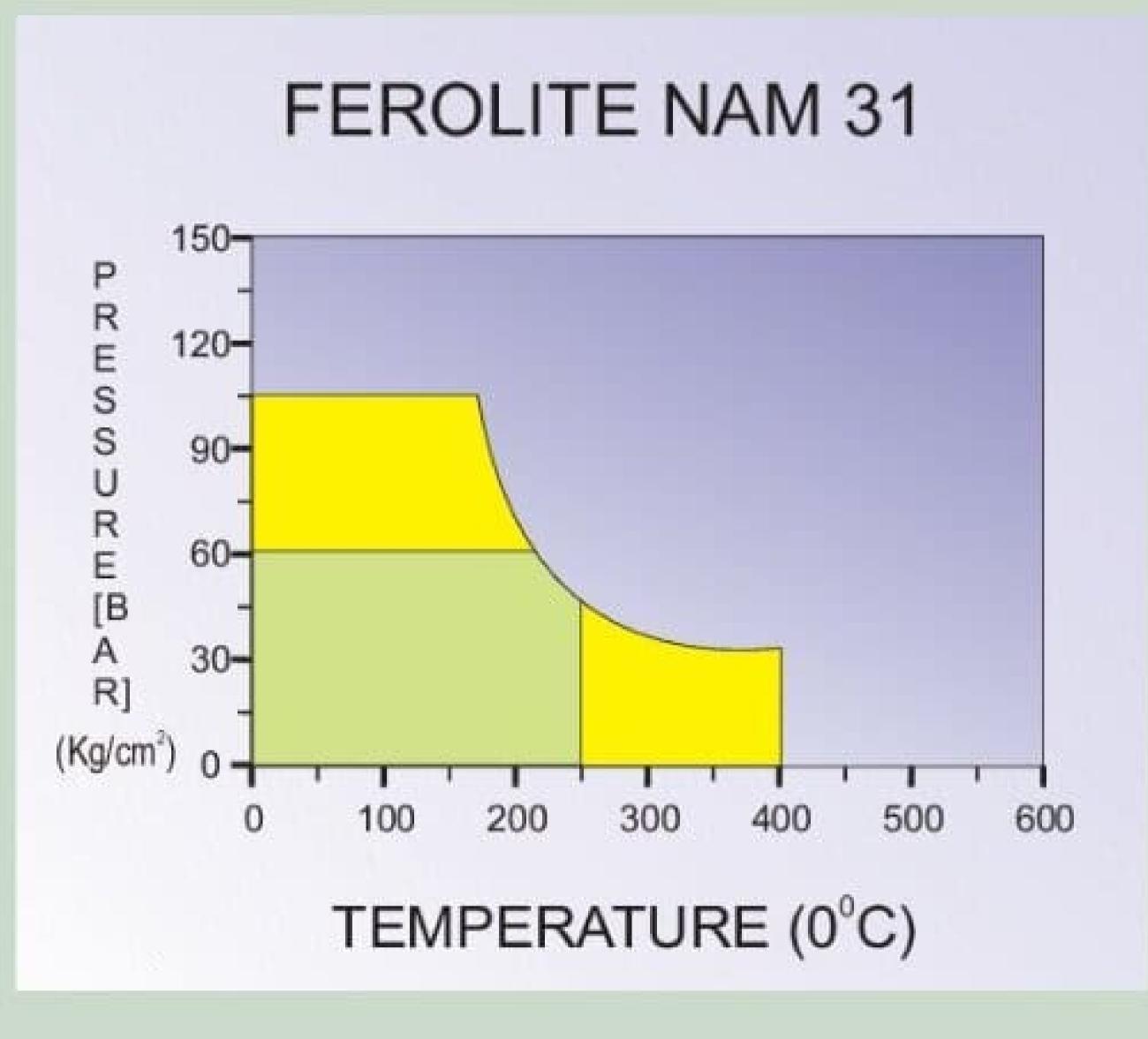
OPERATING CONDITION

Max.Peak Temp400°CMax. Continuous Temp270°CMax.Continuous Temp.with steam240°C

Max. Operating Pressure 100 Kg/cm²

Physical Properties:

The following Information applies to material thickness 2.0 mm.



S.NO.	PROERTIES	TEST METHOD	UNIT	SPECIFIED VALUE
1.	DENSITY		gm/cm ³	1.70 - 2.00
2.	TENSILE STRENGTH			
	(a) ACC to ASTM F152(ACROSS GRAIN)		N/mm²	> 8
	(b) ACC to DIN 52910 (ACROSS GRAIN)		N/mm²	> 6
3.	COMPRESSIBILITY	ASTM F36A	%	5 – 15
4.	RECOVERY	ASTM F36A	%	> 50
5.	FLUID ABSORPTION	ASTM F 146		
	(a) IN ASTM OIL NO. 3			
	INCREASE IN MASS		%	< 10
	INCREASE IN THICKNESS		%	< 10
	(b) IN FUEL B	ASTM F 146		
	INCREASE IN MASS		%	< 10
	INCREASE IN THICKNESS		%	< 10
	(c) IN WATER/ANTIFREEZE	ASTM F 146		
	INCREASE IN MASS		%	< 10
	INCREASE IN THICKNESS		%	< 7
6.	IGNITION LOSS	DIN 52911	%	< 36
7.	SEALABILITY AGAINST Nitrogen	DIN 3535	cm³/min.	< 1.0
8.	STRESS RESISTANCE			
	16h 300°C	DIN 52913	N/mm²	~25
	16h 175°C	DIN 52913	N/mm²	