

## 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.

### General data:

**Material Composition (Type of fibres)** Aramid Fiber, Mineral Fibre

**Binders** NBR Elastomers

### OPERATING CONDITION

**Max. Peak Temp** 400°C

**Max. Continuous Temp** 270°C

**Max. Continuous Temp. with steam** 240°C

**Max. Operating Pressure** 100 Kg/cm<sup>2</sup>

### Physical Properties:

The following Information applies to material thickness 2.0 mm.

S.NO.	PROERTIES	TEST METHOD	UNIT	SPECIFIED VALUE
1.	DENSITY		gm/cm <sup>3</sup>	1.70 - 2.00
2.	TENSILE STRENGTH			
	(a) ACC to ASTM F152(ACROSS GRAIN)		N/mm <sup>2</sup>	> 8
	(b) ACC to DIN 52910 (ACROSS GRAIN)		N/mm <sup>2</sup>	> 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	cm <sup>3</sup> /min.	< 1.0
8.	STRESS RESISTANCE			
	16h 300°C	DIN 52913	N/mm <sup>2</sup>	~25
	16h 175°C	DIN 52913	N/mm <sup>2</sup>	~ –

Standard Sheet Size		1500x2000 mm, 1500x4000mm, 1500x1500mm 1500x4500 mm, 1500x3000mm, 2000x3000 mm
Thickness		0.25 mm to 6.00 mm (For Non-Metallic Range)
Tolerance	Thickness	< 1mm = $\pm 0.10$ mm > 1mm = $\pm 10\%$
	Length	$\pm 50$ mm
	Width	$\pm 50$ mm

### Approvals :-

1. **KTW/DVGW Technical Standard W270**

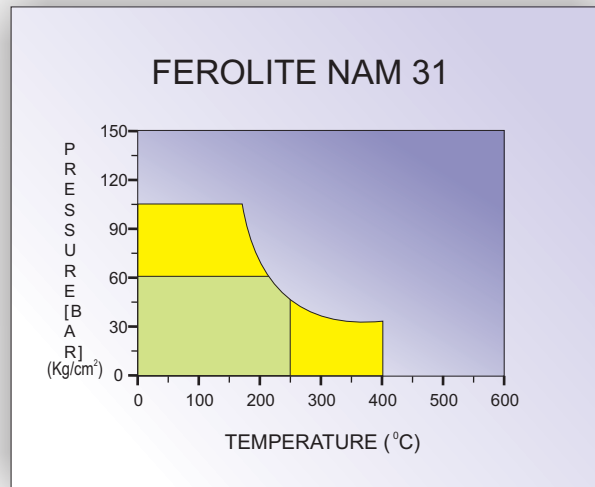
Approved by TZW In Accordance with the recommendations 1.3.13 the German Federal Health Office for materials in contact with drinking waters.

2. **Tested in accordance to DIN EN 13555**

Material Testing Institute University of Stuttgart

- Leakage test  $Q_{s\ win} (L)$
- Compression test  $Q_{s\ max} \& E_G$
- Creep relaxation test  $P_{QR}$

(Approval certificate Available in our website)



All data quoted above are based on years of experience in production & operation of sealing elements, in view of the wide variety of possible installation & operating conditions one can not draw final conclusion in all application cases regarding the behaviour in gasket joint. The data may not therefore, be used to support any warranty claims.

Should you have any doubts about the choice of gasket material, please refer to us. Our engineering cell will be happy to assist you.

## Ferolite Jointings Ltd