

## 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>	~ -