Technical Data Sheet

Ferolite®

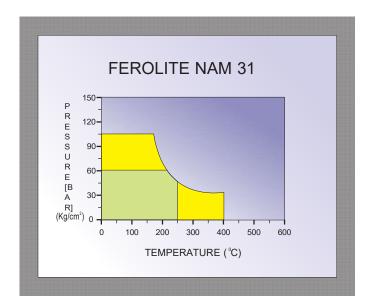## FEROLITE NAM 31 NON ASBESTOS GASKET JOINTING SHEET

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^2

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/mm^2	> 8
	(b) ACC to DIN 52910 (ACROSS GRAIN)		N/mm^2	> 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^3/min.	< 1.0
8.	STRESS RESISTANCE			
	16h 300^{0}C	DIN 52913	N/mm^2	~25
	16h 175^{0}C	DIN 52913	N/mm^2	~ –

FEROLITE NAM 31

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