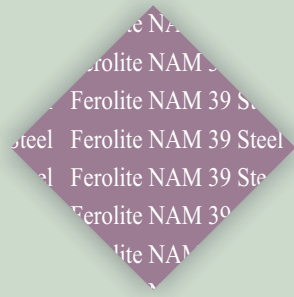


## FEROLITE NAM 39 Steel NON ASBESTOS GASKET JOINTING SHEET



### Applications:

Water/oil resistant gasket material for light loading. Suitable for low operating pressure, e.g. transformers, compressors and apparatus. Also used for easily deformable components with low surface pressure like valve covers and pans in internal combustion engines.

### General data:

#### Material Composition (Type of fibres)

Cellulose Fiber, Organic Fibre with metal gauge centre.

#### Binders

NBR

### OPERATING CONDITION

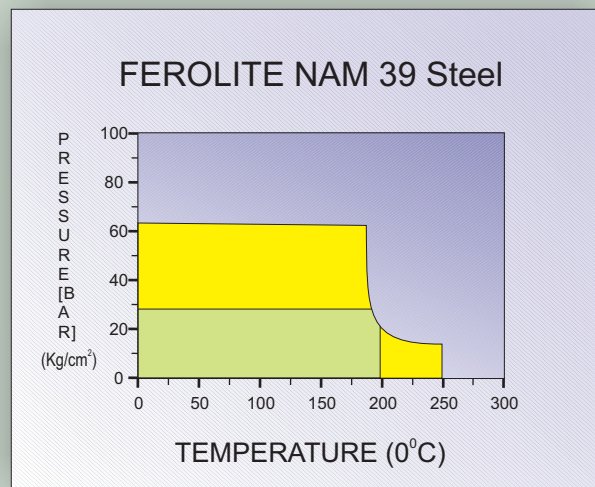
|   |                       |
|---|-----------------------|
| <b>Max. Peak Temp</b>                   | 250°C                 |
| <b>Max. Continuous Temp</b>             | 180°C                 |
| <b>Max. Continuous Temp. with steam</b> | 120°C                 |
| <b>Max. Operating Pressure</b>          | 70 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 - 2.10     |
| 2.    | TENSILE STRENGTH                   |             |                       |                 |
|       | (a) ACC to ASTM F152(ACROSS GRAIN) |             | N/mm <sup>2</sup>     | > 7             |
|       | (b) ACC to DIN52910 (ACROSS GRAIN) |             | N/mm <sup>2</sup>     | > 5             |
| 3.    | COMPRESSIBILITY                    | ASTM F36A   | %                     | 5 – 15          |
| 4.    | RECOVERY                           | ASTM F36A   | %                     | > 40            |
| 5.    | FLUID ABSORPTION                   | ASTM F 146  |                       |                 |
|       | (a) IN ASTM OIL NO. 3              |             |                       |                 |
|       | INCREASE IN MASS                   |             | %                     | < 15            |
|       | 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                   |             | %                     | < 15            |
|       | INCREASE IN THICKNESS              |             | %                     | < 15            |
| 6.    | IGNITION LOSS                      | DIN 52911   | %                     | < 40            |
| 7.    | SEALABILITY AGAINST Nitrogen       | DIN 3535    | cm <sup>3</sup> /min. |                 |
| 8.    | STRESS RESISTANCE                  |             |                       |                 |
|       | 16h 300°C                          | DIN 52913   | N/mm <sup>2</sup>     | -               |
|       | 16h 175°C                          | DIN 52913   | N/mm <sup>2</sup>     | -               |

|                     |           |   |
|---------------------|-----------|---|
| Standard Sheet Size |           | 1500x2000 mm, 1500x4000mm, 1500x1500mm<br>1500x4500 mm, 1500x3000mm, 2000x3000 mm |
| Thickness           |           | 0.80 mm to 6.00 mm (For Metallic Range)   |
| Tolerance           | Thickness | < 1mm = $\pm 0.10$ mm<br>> 1mm = $\pm 10\%$                                       |
|                     | Length    | $\pm 50$ mm   |
|                     | Width     | $\pm 50$ mm   |



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.

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