

Technical Data Sheet



FEROLITE NAM 42GF NON ASBESTOS GASKET JOINTING SHEET



Applications:

An excellent material for high stress condition. It offers a high media resistance to many of the aggressive media. It exhibits good sealing and torque retention properties. It is specifically designed to satisfy the growing demand for numerous aggressive chemicals used by industry today. It can also be used for sealing oils, fuels, gases and general application in paper & pulp industry for application in pipelines, radiators, boilers and many other instances of flange joints.

General data:

Material Composition (Type of fibres) Aramid Fibre, Mineral fibre, Glass fibre

Binders NBR

OPERATING CONDITION

Max.Peak Temp 440°C

Max. Continuous Temp 350°C

Max.Continuous Temp.with steam 250°C

Max. Operating Pressure 150 Kg/cm²

Confirms to BS-7531-Grade X

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 | > 7 |
| | (b) ACC to DIN52910 (ACROSS GRAIN) | | N/mm ² | >5 |
| 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 | | % | < 15 |
| | INCREASE IN THICKNESS | | % | < 10 |
| | (b) IN FUEL B | ASTM F 146 | | |
| | INCREASE IN MASS | | % | < 15 |
| | INCREASE IN THICKNESS | | % | < 10 |
| | (c) IN WATER/ANTIFREEZE | ASTM F 146 | | |
| | INCREASE IN MASS | | % | < 15 |
| | INCREASE IN THICKNESS | | % | < 10 |
| 6. | IGNITION LOSS | DIN 52911 | % | < 30 |
| 7. | SEALABILITY AGAINST Nitrogen | DIN 3535 | cm ³ /min. | < 1.0 |
| 8. | STRESS RESISTANCE | | | |
| | 16h 300°C | DIN 52913 | N/mm ² | 25 |
| | 16h 175°C | DIN 52913 | N/mm ² | 30 |

Approvals :-

1. Tested in accordance to DIN EN 13555

Material Testing amtec services GmbH, Germany

- Creep Compression Test
- Creep relaxation Test
- Leakage Test

2. Liyod's Register approval for marine application

