

NAM 37C Compressed Fiber Gasketing

Material Composition and Application

Made from NBR elastomer with aramid fiber, mineral fiber & inorganic fillers NAM-37C is a premium quality gasket designed for specific use for sealing water treatment equipment and distribution systems required to comply with NSF/ANSI 61: Drinking Water System Components – Health Effects by most governmental agencies that regulate drinking water supplies.

NAM-37C is also suitable for steam, oil, mild alkalis and acids, hydrocarbons and solvents making it an excellent multipurpose gasket.

Available in:

- Thickness 1/64" to 1/4"
- Gaskets - Raised Face, Full Face and Specials
- Color - Green

| | |
|-----------------------------------|--|
| Peak Temperature | 572°F (300°C) |
| Continuous Temperature | 428°F (220°C) |
| Continuous Temperature with steam | 320°F (160°C) |
| Operating Pressure | 1137 PSI (80 Kg / cm ²) |
| M Value | 2.5 (N/mm ²) |
| Y Value | 25 (N/mm ²) |
| ASTM Line Callout | F104F712122A9B4E12M4 |

| PROPERTIES (Test Specimen Thickness 2.0mm) | TEST METHOD | UNIT | SPECIFIED VALUE |
|---|-------------|----------------------|-----------------|
| Density | --- | gm / cm ³ | 1.70 - 2.10 |
| Tensile Strength | --- | | |
| (a) ACC to ASTM F152 (Across Grain) | | N / mm ² | 8 Min. |
| (b) ACC to DIN52910 (Across Grain) | | N / mm ² | 5 Min. |
| Compressibility | ASTM F36A | % | 5 - 15 |
| Recovery | ASTM F36A | % | > 50 |
| Fluid Absorption | | | |
| (a) In ASTM Oil No. 3 | ASTM F 146 | | |
| 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 |
| Ignition Loss | DIN 52911 | % | < 30 |
| Dielectric Strength | ASTM D149 | KV/MM | 8.3 |
| Surface Area Volume Ratio | NSF/ANSI 61 | SQ. IN./L | 2.0 |

The *m* = maintenance factor which provides the additional pre-load needed in the flange fasteners to maintain the compressive load on gasket after internal pressure applied to a joint. The *y* = minimum design seating stress on the contact area of the gasket that is required to provide a seal at an internal pressure of 0.14 bar $Y=W/A1$, where *W* is total fastener force in N and *A1* is gasket area in mm².

The information provided on this bulletin was provided by the manufacturer Ferolite Jointings LTD. Since actual conditions of use are beyond our control, the information provided only serves as a guideline. Users must satisfy themselves that the product is suitable for the intended application. We reserve the right to change product design and properties without notice. O.G. Supply is the exclusive distributor in North America for Ferolite's NAM-37C sheet jointing.



Certified to
NSF/ANSI 61

O.G. Supply, LLC

1150 Guadalupe Drive, Cibolo, TX 78108

(210) 370.7990 Toll Free: (800) 394.7846

info@ogsupply.com www.ogsupply.com