

Topog-E® NAM37C Gaskets



Certified to
NSF/ANSI 61

MATERIAL COMPOSITION AND APPLICATION

Made from NBR elastomer with aramid fiber, mineral fiber & inorganic fillers **Topog-E® NAM37C** 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.

Topog-E® NAM37C is also suitable for steam, oil, mild alkalis and acids, hydrocarbons and solvents making it an excellent multipurpose gasket.

| 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.

SERVICE SUMMARY

Peak Temperature: 572°F (300°C)
Continuous Temperature: 428°F (220°C)
Continuous Temperature with Steam: 320°F (160°C)

Max Operating Pressure: 1137 PSI
 (80 Kg / cm²)
M Value: 2.5 (N/mm²)
Y Value: 25 (N/mm²)

ASTM Line Callout
 F104F712122A9B4E12M4

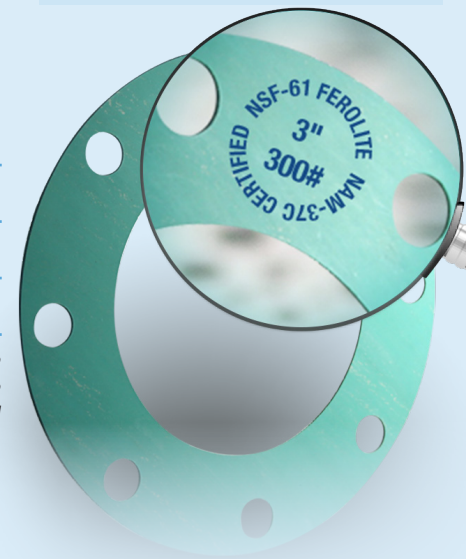
SIZE & COLOR

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

NO MORE GUESSING
NO MORE MEASURING

Gasket marked with:

- NSF-61 Certification
- Flange Size
- Pressure Class



TOPOG-E®

Topog-E, LLC · 1150 Guadalupe Drive · Cibolo, Texas 78108
 918-587-6649 · info@topog-e.com · www.topog-e.com

All information in this data sheet is based on data believed to be reliable; however, we make no guarantee or warranty of the performance of Topog-E® NAM37C gaskets. Due to numerous application-specific factors that can influence service life, it is always advisable to first test Topog-E® NAM37C gaskets in a particular application to determine their ultimate suitability.