

# NAM 37C Compressed Fiber Gasketing

## Material Composition and Application

Made from 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



Certified to  
NSF/ANSI 61

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 <sup>2</sup> )
M Value	2.5 (N/mm <sup>2</sup> )
Y Value	25 (N/mm <sup>2</sup> )
ASTM Line Callout	F104F712122A9B4E12M4

PROPERTIES (Test Specimen Thickness 2.0mm)	TEST METHOD	UNIT	SPECIFIED VALUE
Density	---	gm / cm <sup>3</sup>	1.70 - 2.10
Tensile Strength	---	N / mm <sup>2</sup>	8 Min.
(a) ACC to ASTM F152 (Across Grain)		N / mm <sup>2</sup>	5 Min.
(b) ACC to DIN52910 (Across Grain)			
Compressibility	ASTM F36A	%	5 - 15
Recovery	ASTM F36A	%	> 50
Fluid Absorption			
(a) In ASTM Oil No. 3	ASTM F 146	%	< 15
INCREASE in Mass		%	< 10
INCREASE in Thickness		%	< 10
(b) In Fuel B	ASTM F 146	%	< 10
INCREASE in Mass		%	< 10
INCREASE in Thickness		%	< 10
(c) In Water/Antifreeze	ASTM F 146	%	< 15
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



**NO MORE GUESSING  
NO MORE MEASURING**

- Gasket marked with:
- NSF-61 Certification
  - Flange Size
  - Pressure Class

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 mm<sup>2</sup>.

The information provided on this bulletin was provided by the manufacturer Ferrolite 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 Ferrolite's NAM-37C sheet jointing.

