



# NAM 37C Compressed Fiber Gasketing Material



Certified to NSF/ANSI 61

## Material Composition and Application

Made from aramid fiber, mineral fiber & inorganic fillers NAM-37C is a premium quality gasket material 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 sealing material.

## Available in:

- Sheets - 60" x 60" and 60" x 120" 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	572°F (300°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	---		
(a) ACC to ASTM F152 (Across Grain)		N / mm <sup>2</sup>	8 Min.
(b) ACC to DIN52910 (Across Grain)		N / mm <sup>2</sup>	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 mm<sup>2</sup>.

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