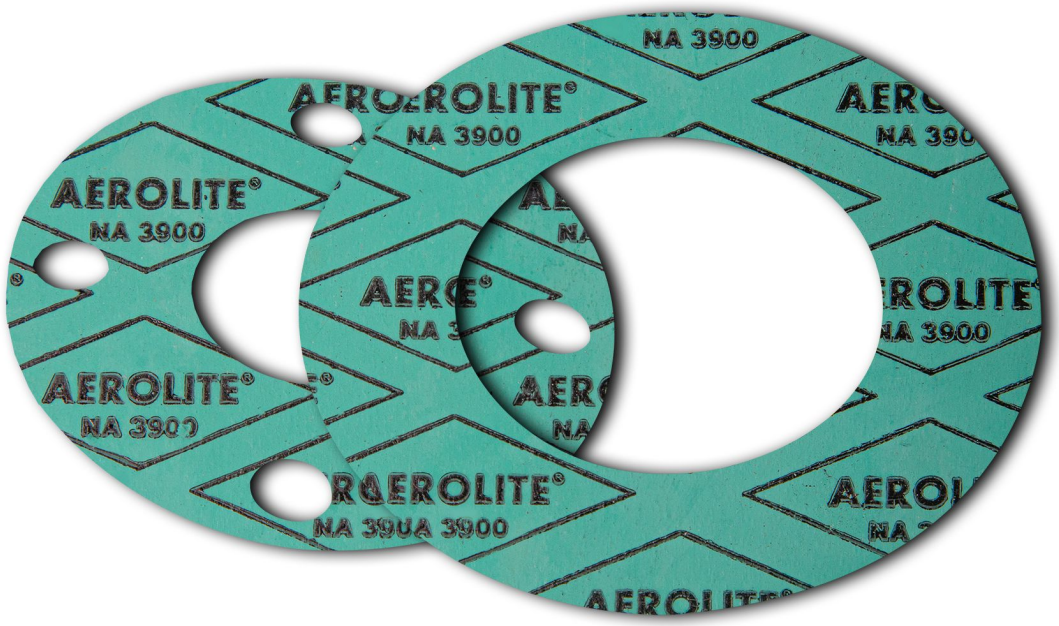
Aerolite®
SEALING MATERIALS

Aerolite® NA3900

High Quality Material for Reliable Sealing



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STANDARDS MALAYSIA ACCREDITED CERTIFICATION BODY
MS ISO/IEC 17021:2011
QS26122016 CB 16

bsi. ANAB ANSI National Accreditation Board ACCREDITED ISO/IEC 17021-1 MANAGEMENT SYSTEMS CERTIFICATION BODY
Certificate Number : FM 646287
ISO 9001 : 2015

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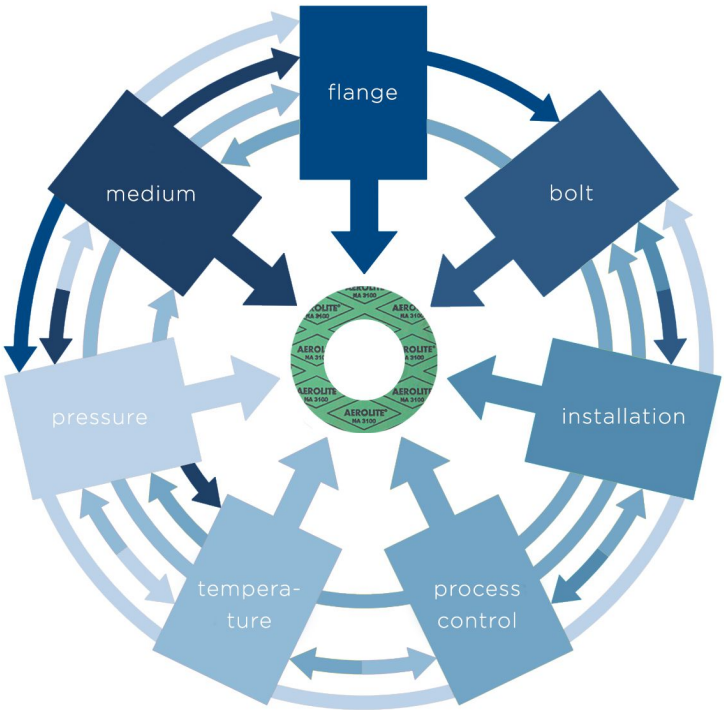

Basis

- Gasket material based on Aramid fibre & organic fibre with NBR binder.

Factors affecting on the gasket

- The suitability of a gasket material for an application is dependent upon a multiplicity of factors as shown in the above diagram.
- Max temperature and pressure values can not define the suitability for application.
- It is always advisable to consider these factors when selecting a material for a given application.

Dimensions of the standard sheets

Sizes:

1,500x1,500 mm, 1,500x3,000 mm, 2,000x3,000 mm

Thicknesses:

0.4mm, 0.5mm, 0.8mm, 1.0mm, 1.5mm, 2.0mm, 3.0mm, 4.0mm, 5.0mm, 6.0mm

Tolerances:

Thickness acc. BS-7531

Length ± 50mm, width ± 50mm

(Other thicknesses, sizes and tolerances on request)

Finish:

Green

ASTM F 104 Line Call out:

F 712911 E12 A9 B5 M5

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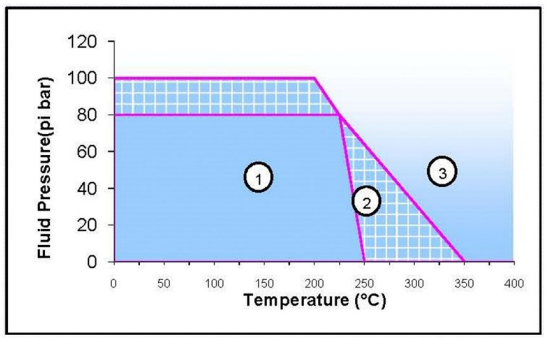
Area of Application

- Suitable for oils, fuels, lubricants, alcohols, gases, hydrocarbons, steams, water, cooling liquids, most diluted acids and alkalies for medium stress conditions.



1. In area one, the gasket material is normally suitable subject to chemical compatibility.
2. In area two, the gasket materials may be suitable but a technical evaluation is recommended.
3. In area three, do not install the gasket without a technical evaluation.

- All data are typical values and refer to sheet thickness of 2.0mm.

	Test Method	Specified Value	Unit
Max. Peak Temperature		350	°C
Max. Operating Temperature		250	°C
Max. Operating Pressure		100	bar
Density	ASTM F 1315	1.6 - 1.9	g/cm³
Compressibility	ASTM F 36 J	7 - 17	%
Recovery	ASTM F 36 J	≥ 40	%
Tensile Strength	ASTM F 152	≥ 10.5	N/mm²
Creep Relaxation	ASTM F 38 B	≤ 30	%
Stress Relaxation (16h 175 °C)	DIN 52913	≥ 22	N/mm²
Gas Sealability	ASTM F 37 B	< 1.0	ml/ hour.
ASTM oil no.3 (5h, 150 °C)	ASTM F 146		
Thickness Increase		≤ 10	%
Weight Increase		≤ 10	%
ASTM Fuel B (5h, 23 °C)	ASTM F 146		
Thickness Increase		≤ 10	%
Weight Increase		≤ 10	%
Water (5h, 100 °C)	ASTM F 146		
Thickness Increase		≤ 10	%
Weight Increase		≤ 10	%