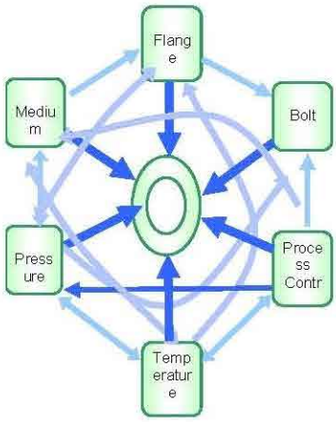
TBJ SEALING TECHNOLOGIES | TBJ | TBJ-UTEX INDUSTRIES

Aerolite® NA3909

AEROLITE NON ASBESTOS OIL STEEL NA3909

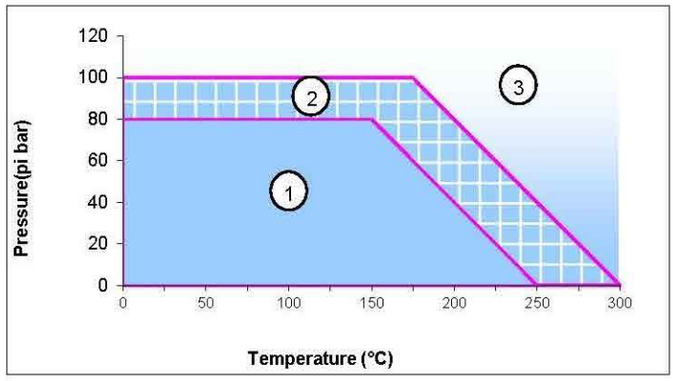
Basis

Gasket material based on Aramid fibre & organic fibre with NBR binder and steel wire reinforced.



Application

A premium metalic grade suitable for oils ,fuels, lubricants ,alcohols, gases,Hydrocarbons,steams, water,coolingliquids,mostdiluted acids and alkalies for medium stress conditions.



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 digram. 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 .

Areas of application

1. This area refer , the gasket material is normally suitable subject to chemical compatibility.
2. This area refer, the gasket material may be suitable but a technical support is recommended.
3. This area refer, do not install the gasket without technical evaluation.

Dimensions of the standard sheets

Standard sheet sizes :1500 X1500 mm,1500 X2250mm, 1500 X4500 mm ,1500 X1000 mm,1000X1000mm 1500 X4000 mm, 1500 X2000 mm, 1300 X3900 mm, 1270 X1270 mm, 2100 X 3000 mm, 1500 X 3000 mm.

Finish : G/GR

(other Colour on Customer requirement).

ASTM F 104 Line Call out : F 712121 E23 A9 B5 M5

Technical data

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

	Test method	Specified Value	Unit
Max. Peak Temperature		300	°C
Max. Operating Temperature		250	°C
Max. Operating Pressure		100	bar
Density	ASTM F 1315	1.70 - 2.0	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	
Gas Sealability	ASTM F 37 B	< 1.0	ml/ hour.
ASTM oil no.3 (5h, 150°C)	ASTM F 146		
Thickness Increase		≤ 15	%
Weight Increase		≤ 15	%
ASTM Fuel B (5h, 23°C)	ASTM F 146		
Thickness Increase		≤ 15	%
Weight Increase		≤ 15	%
Water (5h, 100°C)	ASTM F 146		
Thickness Increase		≤ 10	%
Weight Increase		≤ 10	%

All information and recommendations given in this brochure are correct to the best of our knowledge . However , in view of the wide variety of possible installation and operating conditions one cannot draw the finel conculusion in all application cases regarding the behaviour in a gasket joint . Therefore , information can only serve as a guideline.

bsi. ISO 9001 Quality Management
Certificate Number: FM 646287
ISO 9001:2008

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