

# Aerolite® A1000

# AEROLITE ASBESTOS GASKET A1000

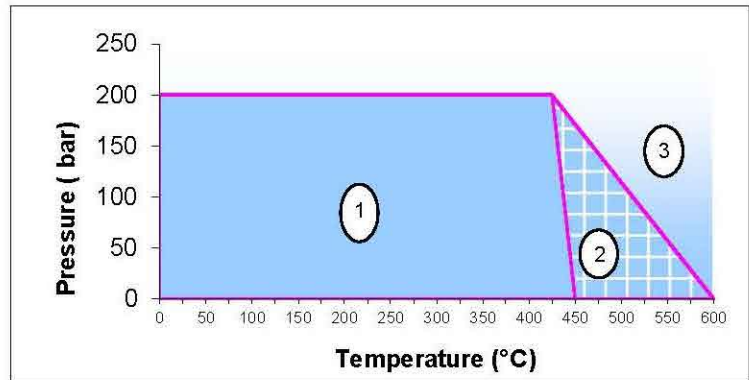
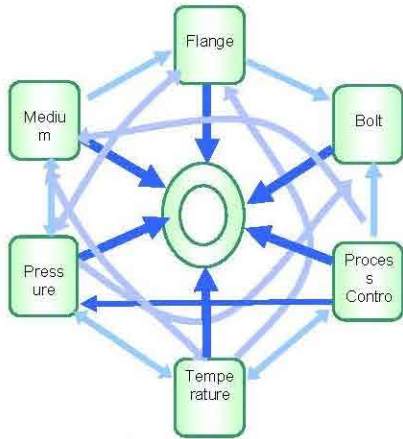
## TECHNICAL DATA SHEET

### Material Composition:

Chrysotile asbestos fibre, Natural Rubber & Nitrile Butadiene Rubber with 16 mesh G. I. wire reinforced.

### General properties and applications :

To seal off alcohols, water, air, steam, oils, fuels, etc. This grade is specially suitable for internal combustion engines, compressors, pipe - lines and several other industrial applications under 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 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 .

### 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 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 :** Grey/ Graphite ,(other Colour on Customer requirement).

IS 2712 : 1998



### Technical data

All data are typical values and refer to sheet thickness of 1.5 mm

	Test method	Specified Value	Unit
Max. Operating Temperature		600	°C
Max. Operating Pressure		200	bar
Density	ASTM F 1315	1.8 -2.30	g/cm <sup>3</sup>
Compressibility	ASTM F 36 A	6 - 14	%
Recovery	ASTM F 36 A	≥ 40.0	%
Tensile Strength	ASTM F 152	≥ 26.0	N/mm <sup>2</sup>
Stress Relaxation (16h, 300°C )	DIN 52913	≥ 25.0	N/mm <sup>2</sup>
Loss on ignition	ASTM F 495	≤ 26	%
ASTM oil no.3 (5h, 150°C)	ASTM F 146		
Thickness increase		≤ 25	%
Weight increase		≤ 20	%
ASTM Fuel B (5h, 23°C)	ASTM F 146	-	
Thickness increase		≤ 20	%
Weight increase		≤ 20	%
Weight increase in Water (48h, 23°C)	ASTM F 146	≤ 10.0	%
Flexibility	ASTM F 147 B	No Cracks	--

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 final conclusion in all application cases regarding the behaviour in a gasket joint. Therefore, information can only serve as a guideline.