



## **A.S.GASKETS**

**(CIXI AIFLON SAMSUNG SEALING MATERIALS CO.,LTD)**

### **Graphite Gaskets**

**Range of Graphite gaskets:**

- 4000-G Pure graphite gasket
- 4002-T Graphite gasket reinforced with tanged metal
- 4003-M Graphite gasket reinforced with metal mesh
- 4001-P Graphite gasket reinforced with flat foil

**Descriptions:**

Graphite gaskets made from graphite as homogeneous, reinforced by metal mesh, foil or tanged metal. It offers excellent sealing capabilities such as thermal stability, self-lubrication, corrosion resistance, without being brittle and aging etc. under extreme conditions with a longer life and less maintenance.

**Application & Properties:**

Various shapes are available, used in petrochemical, mining, vessels, boiler, piping and duct, pumps and valves, flanges etc. suitable for stem, mineral oils, heat transfer oils, hydraulic oil, fuel, water, seawater, freshwater etc.

**Graphite gaskets with or without eyelet:**

G4000-P: Without eyelet

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G4000-P-IC: With inner eyelet  
 G4000-P-CR: With outer eyelet  
 G4000-P-IC: With inner and outer eyelets

Gasket Style	4000-G	4001-P	4002-T	4003-M
Compressibility	30%	15~35%	15~35%	15~35%
Recovery	>10%	>20%	>20%	>20%
Pressure	40bar	200bar	300bar	200bar
Density g/cm <sup>3</sup>	0.7;1.0	1.0	1.0	1.0
Temperature Deg.C	-240~550	-240~550	-240~550	-240~550
PH	0~14	0~14	0~14	0~14

**Graphite Properties:**

Item	Tolerance of density	C>%	Tensile strength	Sulphur content	Chlorine content	Stress relaxation	Lgnition loss
Industrial	+/-0.06g/cm <sup>3</sup>	98	4 Mpa	<1000ppm	<50ppm	10%	2.0</=%
Nuclear	+/-0.05g/cm <sup>3</sup>	99.5	5 Mpa	<700ppm	<35ppm	10%	0.5</=%

Dimension:  
 ASME B 16.21, DIN 2690, And according to your requirements.

Order example:  
 4000-T-IC-316, ASME B 16.21, RF, 2.0mm  
 Made from graphite reinforced with tanged SS316, With SS316 inner and outer eyelets  
 Dimension is based on ASME B 16.21 RF flange, thickness is 2.0mm.

Due to the complexity of making a recommendation for any given duty, this section on chemical compatibility is intended on as a guide.

The possible effect of elevated temperature should be considered when determining the compatibility of these products with a chemical. If necessary, please contact our technical services team for assistance.

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