



PURE GRAPHITE SHEET

Made of high-quality natural flake graphite with complete lattice structure, which is made by purification, chemical intercalation, high temperature treatment and rolling. Not only does it retain all the properties of graphite, but also has special properties such as flexibility, good compression resilience, and oil resistance. It is an excellent material for manufacturing seals.

Specification

Density: 0.7 ~ 1.2 g / cm³

Length: 1.0 ~ 500 m

Width: 4 ~ 2000 mm

Thickness: 0.15 ~ 3 mm



METAL REINFORCED GRAPHITE SHEET/GASKET

Code	Product
1	PURE GRAPHITE GASKET WITH CS TANGE INSERT (WITHOUT EYELET)
2	PURE GRAPHITE GASKET WITH SUS304 TANGED INSERT (WITHOUT EYELET)
3	PURE GRAPHITE GASKET WITH SUS316 TANGED INSERT (WITHOUT EYELET)
4	PURE GRAPHITE GASKET WITH SUS304 FOIL INSERT (WITHOUT EYELET)
5	PURE GRAPHITE GASKET WITH SUS316 FOIL INSERT (WITHOUT EYELET)
6	PURE GRAPHITE GASKET WITH SUS316 FOIL INSERT (WITHOUT EYELET)
7	PURE GRAPHITE GASKET WITH SUS304 TANGED INSERT (WITH INNER EYELET)
8	PURE GRAPHITE GASKET WITH SUS316 TANGED INSERT (WITH INNER EYELET)
9	PURE GRAPHITE GASKET WITH SUS304 FOIL INSERT (WITH INNER EYELET)
10	PURE GRAPHITE GASKET WITH SUS316 FOIL INSERT (WITH INNER EYELET)
11	PURE GRAPHITE GASKET WITH CS TANGE INSERT (WITH INNER & OUTER EYELET)
12	PURE GRAPHITE GASKET WITH SUS304 TANGED INSERT (WITH INNER & OUTER EYELET)
13	PURE GRAPHITE GASKET WITH SUS316 TANGED INSERT (WITH INNER & OUTER EYELET)
14	PURE GRAPHITE GASKET WITH SUS304 FOIL INSERT (WITH INNER & OUTER EYELET)
15	PURE GRAPHITE GASKET WITH SUS316 FOIL INSERT (WITH INNER & OUTER EYELET)



GRAPHITE TAPE

Graphite tape is a silted Pure Expanded Graphite Tape into a ribbon form which offer excellent sealing capabilities under extreme conditions for longer equipment life and less maintenance. Graphite tape has no impregnates, binders, additives, oils or greases which could possibly leave the packing and reduce its volume or contaminate the process media. Graphite tape are wrapped around the shaft or spindle when it is installed. The tapes wrapped are pushed into the stuffing box interior and compressed with the gland to form an endless molded seal ring directly around the shaft providing a positive seal without disassembling the equipment. It is non-hardening , dimensionally stable and is impervious to gases and fluids.

Material Data

Purity: 99%

Sulphur content: ≤ 1000 ppm

Leachable chlorides: ≤ 50 ppm

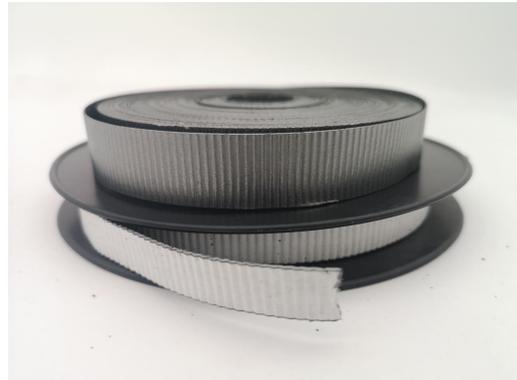
Density: 1.0 to 1.1g/cc

Temperature: -200°C to +3300°C (Non-Oxid)

-200°C to + 500°C (Oxidizing)

-200°C to + 650°C (Steam)

HP: 0 to 14 (except strong oxidizers)



GRAPHITE RING

Made through molding of flexible graphite sheet and 1100 series braided packing

Applications: Packing sealing for valves, pumps and reaction vessels.

Specifications available: $\Phi 10 - \Phi 1000$

COMPRESSED ASBESTOS SHEET

Product Feature

Compressed asbestos sheet are generally cheap, convenient. But the biggest trouble is the charring of rubber and packing, and the low temperature will result in the loosen of material. and finally cause leakage in the joint part or in the shim itself, and agglomeration, smoking, and the planking are more easy sticking on the flange. Beside, asbestos will cause heavy pollution. So the high-strength graphite sheet and non-compressed asbestos sheet will be used instead of asbestos materials.





Main Model

High-pressure Style: made of the medium and long asbestos fiber and rubber.

It is suitable for sealing of flange joint part of facility used in the condition of water with high pressure and high temperature, saturated vapor, overheated vapor, coal gas, inert gases.

Middle Pressure Style: made of asbestos and rubber.

It is suitable for the sealing of flange part of facility used in the condition of water, vapor, air ammonia-alkaline liquid.

Low Pressure Style: made of asbestos and rubber, suitable for normal hot water heating facilities, low pressure water pipe, vapor pipework.

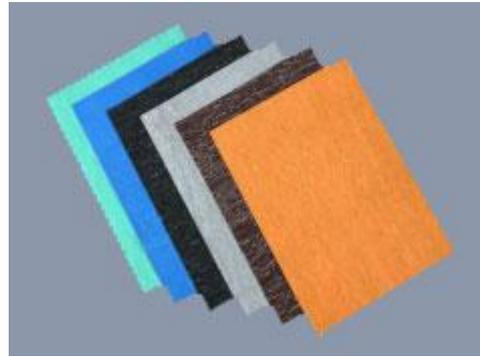
It is suitable for refinery facilities, distilling pipe, diesel engine for cars, oil pipeline.

Style	Name	Temperature°C	Pressure Mpa	Horizontal Tensile Strength Mpa	Ignition loss %	Aging coefficient	Density g/cm ³
2010	Compressed asbestos sheet	500	7	≥21	≤26	≥0.9	1.6 - 2.0
2020	Compressed asbestos sheet	450	6	≥19	≤28	≥0.9	1.6 - 2.0
2030	Compressed asbestos sheet	350	4	≥13	≤30	≥0.9	1.6 - 2.0
2040	Compressed asbestos sheet	250	2.5	≥7	≤30	≥0.9	1.6 - 2.0
2050	Oil-tolerant Compressed asbestos sheet	250	2.5	≥11	≤30	≥0.9	1.6 - 2.0



NON-COMPRESSED ASBESTOS SHEET

The products made of asbestos are rejected step-by-step when people demanding more and more on the health and environment-protection. Expandable teflon and flexible graphite are used much more widely than ever in modern industry. Although they are gradually replace the asbestos gasket, they cannot do it completely because they have some defect. So the non-compressed asbestos sheet become the best replacement of asbestos material. The non-asbestos sheet which is made of aramid fiber, inorganic fiber, synthetic rubber etc under high temperature and high pressure. The non-asbestos material is widely used in the joint part of tubing, valve, heat exchanger, pressure container in refinery, chemical plant, power plant, boatyard, pipework.



Technical Parameters

Project	9010	9020	9030
Colour	Black	Gray	Green white(Shamrock)
Temperature(°C)	400	300	250
Pressure(Mpa)	10	7	7
Compressinillty(%)	7~15	7~17	7~17
Recovery(%)	≥45	≥45	≥45
Tensile strength(n/mm ²)	10	12	12
Leakage rate(ml/min)	0.5	0.5	0.5
Ignition loss(Heating for 3 hours)	≤8	≤8	≤10
Stress relaxation(n/mm ²)	≤25	≤25	≤25
density (g/cm ³)	1.8 - 2.0	1.8 - 2.0	1.8 - 2.0