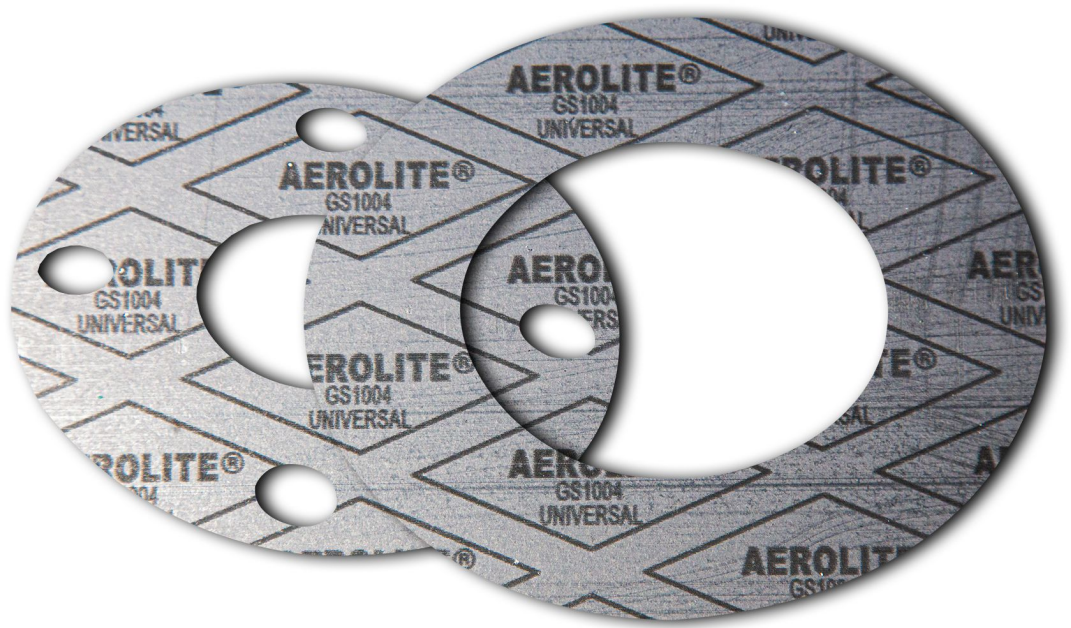


Aerolite[®] GS1004

Graphite Laminate Sheet

Certified Fire Safe According to API 6FB!



TBJ-UTEX INDUSTRIES (M) SDN BHD

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MS ISO/IEC 17021:2011
QS26122016 CB 16



Certificate Number : FM 646287
ISO 9001 : 2015

- Made of pure, expanded flexible graphite and do not contain any other fibers or filler materials.
- This gasket material is universally applicable for gases and fluids.
- It is chemically resistant against most media, has excellent thermal conductivity, can be stored indefinitely.

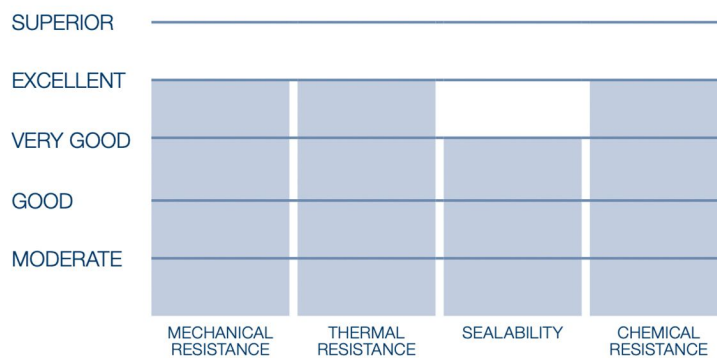
● **Key features:**

- Excellent resistance.
- Excels in extreme conditions, withstanding heat, pressure and aggressive chemicals.

● **Benefits:**

- Reliable.
- Seals easily under moderate bolt load.
- Offers superior torque retention.
- Retains dimensional stability in high temperatures; seals tightly even during pressure fluctuations.

● **Properties:**



● **Dimensions of the standard sheets:**

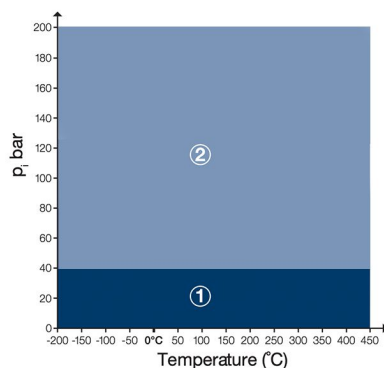
Standard Thickness	1.0mm, 1.5 mm, 2.0 mm, 3.0 mm, 4.0mm, 5.0mm
Standard Roll Size	1000 x 1000 mm, 1000 x 2000 mm
Tolerances	Thickness ± 5% Length ± 5 mm, width ± 5 mm

Other thicknesses, sizes and inserts on request.

● **Technical Data** - Typical values for a thickness of 2.0 mm

	Test Method	Unit	Specified Value
Density of the graphite layer	DIN 28090-2	g/cm ³	1.0
Purity of graphite ₁	DIN 51903	%	≥ 99
Compressibility	ASTM F36 J	%	30 - 40
Recovery	ASTM F36 J	%	15 - 20
Stress relaxation	DIN 52913	MPa	≥ 46
Aerolite cold/hot compression 50 MPa	Thickness decrease at 23°C	%	35 - 45
	Thickness decrease at 300°C	%	1 - 3
Specific leakrate λ	DIN 28090-2	mg/sxm	< 0.10
Chloride content	ASTM F1277	ppm	≤ 50
Fluorides content		ppm	≤ 30
Sulfur content	ASTM C 816	ppm	≤ 1000
Carbon content	JB/T 9141.6	%	≥ 98
Ash content	ASTM C561	%	≤ 1.0

● **pT diagram for thickness 2.0 mm:**



- 1 In area one, the gasket material is normally suitable subject to chemical compatibility.
- 2 In area two, do not install the gasket without a technical evaluation.

Always refer to the chemical resistance of the gasket to the media.

All information/applications contained in this publication are to the best of our product knowledge. Since condition of uses is beyond our control, users must satisfy themselves that products are suitable for the intended processes and uses. Failure of select the proper sealing products could result in property damage and/or serious personal injury. We reserve the right to change product information without notice.