

SALMARCON [®]
We make it seal!

SOFT SEALING
SOLUTIONS



TRUSTED TO
DELIVER
INNOVATIVE
SOLUTIONS



GRAPHITE
SHEETS



GRAPHITE
GASKETS

www.salmarcon.com

Salmarcon Graphite Laminates

Gaskets on the basis of graphite are suitable for temperatures between -200 °C and up to 560 °C, and offer resistance against a broad range of chemicals. Equipped with an anti-stick finish specifically developed for this purpose, Salmarcon graphite-based gasket materials are easy to remove from the flange – even after exposure to elevated temperatures.

Sizes:

1000 x 1000 mm
1500 x 1500 mm






Thickness (DIN 28091-1):

0.5 mm, 0.75 mm, 1.0 mm, 1.5 mm, 2.0 mm, 3.0 mm and 5.0 mm

Tolerances:

Thickness ± 5%
Length ± 50 mm
Width ± 50 mm

Material advantages:

 Applications up to 460°C	 Asbestos-free	 Free of organic fibers & fillers
 Chemical resistance	 Crush resistance	 Anti-stick material

Laminate-SGS0

Insert-SGS3



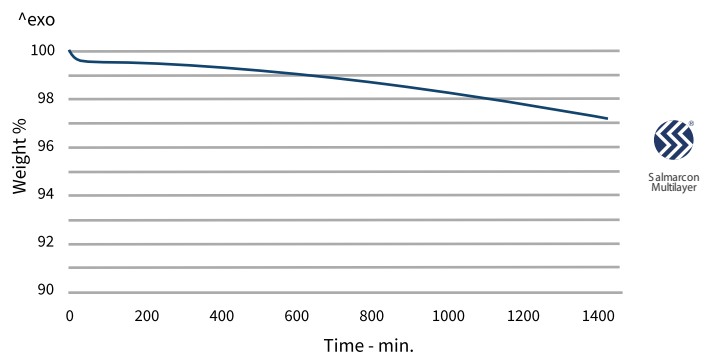
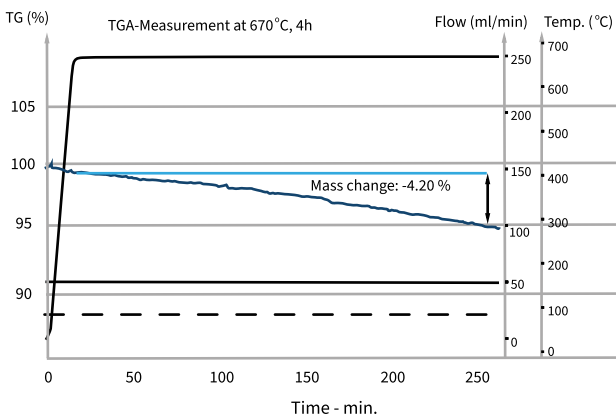
Basis composition	Flexible graphite with fiber-based insert.	Expanded graphite with an 0.1 mm thick tanged stainless steel insert.
Key features:	Comprising two layers of flexible graphite & 0.3 mm high-temperature resistant graphite and fiber-based insert, this material combines easy handling with superior long-term sealing performance.	With two layers of graphite and featuring adhesive-free bonding, this gasket material is ideal for hot water and steam applications at temperatures of up to 560 °C.
Industry:	General industry, Chemical, Oil & Gas, Energy, Pulp & Paper Transport.	Chemical, Oil & Gas, Energy, Pulp & Paper Transport.
Certificates & Approvals	TA-Luft (clean Air).	TA-Luft (cDVGW, KTW Guideline, Oxygen, DNV GL, Firesafelean Air).

TECHNICAL DATA Typical values for a thickness of 2.0 mm

Density of the graphite layer	DIN 28090-2	g/cm ³	1.0	1.0
Purity of graphite	DIN 51903	%	≥ 99	≥ 99
Graphite and fibre based insert / Metallic reinforcement	Plain metal			AISI 316 (L)
	Thickness	mm	0.3	0.10
	Number of sheets		1	1
Compressibility	ASTM F36 A	%	40	35.45
Recovery	ASTM F36 A	%	14	12-18
Compression creep DIN 52913	16 h/ 50 MPa/ 300°C	MPa	≥ 40	≥ 46
KLINGER cold/hot compression 50 MPa	Thickness decrease at 23°C	%	42	35-45
	Thickness decrease at 300°C	%	10	1-3
Specific leak rate	DIN 28090-2	mg/(s x m)	0.05	< 0.10
Chloride content of graphite layer	DIN 28090-2	ppm	< 40	< 40

Oxidation diagram shows Salmarcon multi layered graphite solution superb stability and oxidative resistance in high pressure and temperature applications.

Weight change diagram (FSA-G-604-07/B), TGA test method confirmed very low weight changes of flexible graphite during heating under a controlled atmosphere.





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