LeaderKAM Kammprofile Gasket Style FR

Kammprofile Gaskets

DESCRIPTION

LeaderKAM kammprofile gaskets consist of a metallic core with machined concentric grooves. Both faces are produced with soft sealing layers consisting of either graphite, PTFE or LeaderTHERM NXT 1010 (high temp.modified Phlogopite).

APPLICATION

(Petro-) Chemical Industry, Steam, On- and Offshore exploration, pipeline systems, pressure vessels, heat exchangers and coolers. LeaderKAM Kamprofile gaskets have proven records in demanding application with heat-exchangers with fluctuating and cycling process conditions. Superb alternative for metal jacketed gaskets.

CHEMICAL COMPATIBILITY

LeaderKAM kammprofile Gaskets are suited for a wide variety of media, e.g. a pH range varying from 0-14. Temperature range from –450 °F up to 850 degrees °F (steam 1200 °F) with graphite layers. Leadertherm Mica layers can withstand temperatures of 1800 °F.

DELIVERY OPTIONS

All dimensions in a wide variety of materials are possible. Available for standard and non-standard equipment gaskets. EN10204 3.1 certificates can be delivered on request, as well as NACE MR0175/ISO 15156 conformity statement.

TEMPERATURE

Temperature range from –450 °F up to 850 degrees °F (steam 1200 °F) with graphite layers. LeaderTHERM (phlogopite) layers can withstand temperatures of 1800 °F. Application/ compatibility guide is available on request.

APPROVALS & CERTIFICATES

- EN10.204 3.1

SEALING CHARACTERISTICS

- Excellent sealing characteristics for a wide range of seating stresses
- Suitable for low torque flange-constructions
- High pressure and temperature range
- Broad chemical resistance (pending on the metallic materials and sealing layers)
- Firesafe
- Design suitable for fluctuating temperatures and pressures
- blow out safe

TECHNICAL DATA	
max Temperature [°F]	See material table below
max Pressure [psi]	ASME B16.5 2500 Class
Minimum initial stress [DIN E 2505 part 2] [N/mm2]	15
Maximum initial stress [DIN E 2505 part 2] [N/mm2]	300
M-Value	2
Y- Value [psi]	2500
Gasket required flange roughness [Ra micron]	3,2-6,3
Gasket required flange roughness [RMS]	125-250
max Seating stress [Qsmax bei RT EN13555] [n/mm2]	500

LOCATIONS

850 Sense Road LA PORTE, TX 77571, USA GLOBAL HEADQUARTERS
8622 South Choctaw Drive BATON ROUGE, LA, USA 70815
Psurnovicka cesta 1026, 01401 BYTCA, Republic of Slovakia EUROPE HEADQUARTERS

PHONE

+1 281 542 0600
+1 225 275 8000
+421 41 553 2686

FAX

+1 281 542 5552
+1 225 273 9073
+421 41 553 2895

07-22-2021

SOFT FILLER MATERIALS

	Identification	Color coding	Temperature Range
	ASME B16.20	ASME B16.20	Degrees C.
Graphite	FG	Gray stripe	- 250 / + 450 (+ 550)
PTFE	PTFE	White stripe	-240 / +260
Ceramic	CER	Light green stripe	- 50 / + 1000
Mica	MICA	Light blue stripe	- 50 / + 900

METALLIC MATERIALS

	Identification	Color coding	Temperature Range
	ASME B16.20	ASME B16.20	Degrees C.
Carbon Steel	CRS	Silver	- 25 / + 500
SS304(L)	304(L)	Yellow	- 200 / + 900
SS316(L)	316(L)	Green	- 100 / +550
SS321	321	Turqoise	-200/+550
SS347	347	Blue	-200/+550
Duplex (ASTM A182-F51)	31803	No colour	-60/+300
Avesta 254 SMO (6Mo)	31254	No colour	-100/+550
Carpenter 20 CB3	A20	Black	-100/+500
Nickel 200	NI200	Red	-100/+450
Nickel 201	NI201	Red	-100/+550
Monel® / Alloy 400	MON	Orange	-50/+500
Inconel® / Alloy 600	INC600	Gold	-100/+650
Inconel® / Alloy 625	INC625	Gold	-100/+800
Inconel® / Alloy X-750	INX	No colour	-100/+700
Incoloy® / Alloy 800	IN800	White	-100/+550
Incoloy® / Alloy 825	IN825	White	-200/+800
Hasteloy® / Alloy B2	HAST B	Brown	-100/+500
Hasteloy® / Alloy C276	HAST C	Beige	-100/+600
Titanium	TI	Purple	-100/+350
Zirconium	ZIRC	No colour	-50/+900

LOCATIONS	PHONE	FAX
850 Sense Road LA PORTE, TX 77571, USA GLOBAL HEADQUARTERS	+1 281 542 0600	+1 281 542 5552
8622 South Choctaw Drive BATON ROUGE, LA, USA 70815	+1 225 275 8000	+1 225 273 9073
Psurnovicka cesta 1026, 01401 BYTCA, Republic of Slovakia EUROPE HEADQUARTERS	+421 41 553 2686	+421 41 553 2895

07-22-2021