

Leader ElastaGraph

Emission Reduction Gaskets



DESCRIPTION

Elastagraph™ gaskets are produced by infusing seamless layers of flexible graphite at varying densities and thicknesses over a corrugated metallic core. Elastagraph™ utilizes a unique corrugated pattern which increases the depth of the groove and the pitch at the peak of the corrugation. This greatly improves the gaskets sealability over traditional corrugated designs.

APPLICATION

Elastagraph™ is designed specifically to solve fugitive emission and compliance problems. It also has excellent performance in bolted joints that experience thermal cycling or limited initial bolt load. Elastagraph™ is the most economical way of meeting low emission requirements.

CHEMICAL COMPATIBILITY

Elastagraph™ flange gaskets can be used in a wide variety of media, i.e. a pH range varying from 0-14. Application

/ compatibility guide is available on request. Pressure from vacuum to ASME class 600lbs and DIN/EN class PN40. Temperature from -400 F to 850 F (steam 1200 F).

DELIVERY OPTIONS

Standard gaskets are available in accordance with ASME B16.21 (1/2" - 24"), EN12560-1 as well as EN1514-1 (DN10- DN600). Standard thickness is 1,6 mm (1/16")en 3,2 mm (1/8").Non-standard, or special gaskets, can be manufactured according to particular customer drawings, or by given sizes. Please note that tooling may be required.diameter of 4000 mm. We have a large stock in SS316L. Other materials are also available.

TEMPERATURE

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APPROVALS & CERTIFICATES

- TA-Luft
- BAM
- DVGW
- Firesafe
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- BAM

SEALING CHARACTERISTICS

- Low porosity
- Very low emission
- Perfect sealability on low bolt load
- High recovery
- Suitable for irregular flanges and surfaces
- To be used for elevated and cryogenic temperatures
- Improved handle ability
- Minimum sticking to flange surfaces

TECHNICAL DATA

max Temperature [°F]	850
max Pressure [psi]	DIN PN40 & ASME B16.5 600 Class
Minimum initial stress [DIN E 2505 part 2] [N/mm ²]	15
Maximum initial stress [DIN E 2505 part 2] [N/mm ²]	300
M-Value	1.5
Y- Value [psi]	800
Gasket required flange roughness [Ra micron]	3,2-6,3
Gasket required flange roughness [RMS]	125-250

LOCATIONS

850 Sense Road LA PORTE, TX 77571, USA GLOBAL HEADQUARTERS

8622 South Choctaw Drive BATON ROUGE, LA, USA 70815

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TECHNICAL DATA

max Seating stress [Qsmax bei RT EN13555] [n/mm ²]	225
Advice Seating stress at assembly [psi]	3000
ROTT [Gb]	32
ROTT [a]	0.718
ROTT [Gs]	0.001

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