Leader Elastagraph DS

Emission Reduction Gaskets

DESCRIPTION

Elastagraph DS gaskets are produced by infusing seamless layers of flexible graphite at varying densities and thicknessess over a corrugated metallic core. Then ePTFE is applied to the I.D. portion of the corrugated core with an 1/8" overlap. Elastagraph DS 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 DS is designed specifically to solve fugitive emission and compliance problems. Combines the chemical resistance of ePTFE and graphite that is fire safe. It also has excellent performance in bolted joints that experience thermal cycling or limited initial bolt load.

CHEMICAL COMPATIBILITY

Elastagraph DS 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 patricular customer drawings, or by given sizes. Please note that tooling may be required.

TEMPERATURE

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SEALING CHARACTERISTICS

- Low porosity
- Very low emmission
- 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]	500
max Pressure [psi]	DIN PN40 & ASME B16.5 600 Class
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
max Seating stress [Qsmax bei RT EN13555] [n/mm2]	225
Advice Seating stress at assembly [psi]	3000
ROTT [Gb]	32
ROTT [a]	0.718
ROTT [Gs]	0.001

LOCATIONS

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07-22-2021