

Leader ElastaGraph SG Pipe Flange Gaskets

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 SG 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 SG 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.

DELIVERY OPTIONS

All non standard pipe flange configurations with and without bolt holes according customer specifications or E drawing

TEMPERATURE

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 [°C]	550
min Temperature [°C]	-200
max Pressure [bar]	(DIN PN40) ASME B16.5 600 class
M-Value	3
Y- Value [psi]	5000
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/mm ²]	225
Residual seating stress , [QA=40 MPA,Qmin(L 0,01), mg/(s*m)] bei RT 40 bar [N/mm ²]	10

LOCATIONS

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