Leader ElastaGraph SG

Emission Reduction Gaskets

DESCRIPTION

Elastagraph gaskets are manufactured by applying a layer of graphite over a corrugated metal core. The gasket features a specialized corrugation profile with increased groove depth and peak pitch, which significantly improves sealability compared to conventional corrugated designs.

APPLICATION

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

CHEMICAL COMPATIBILITY

Excellent sealing performance against vapors, gases, and thermal (hot) oil. Our application and compatibility guide is available upon request.

AVAILABLE OPTIONS

Custom or specialty gaskets can be manufactured to customer drawings or specified dimensions. Please note that tooling may be required.

APPROVALS & CERTIFICATES

- Firesafe API 6FB
- DVGW
- BAM
- TA-Luft

SEALING CHARACTERISTICS

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

TECHNICAL DATA	
Maximum Temperature (°F)	850
Maximum Pressure (PSI)	DIN PN40 & ASME B16.5 300 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	1.5
Y-Value	5000 PSI
Gasket Required Flange Roughness (Ra micron)	3.2-6.3
Gasket Required Flange Roughness (RMS)	125-250
Maximum Seating Stress [Qsmax bei RT EN13555] [N/mm2]	225
Recommended Seating Stress at Assembly	3000 PSI
ROTT (Gb)	32
ROTT (a)	0.718
ROTT (Gs)	0.001

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