FluoroGask©

crp

the corrosion expert

CRP is a world leader in the manufacture of PTFE and PFA lined equipment including pipe, fittings, valves, bellows, sight glasses and other ancillary equipment. CRP supplies to the chemical, agro-chemical, pharmaceutical, petrochemical, biotechnology, pulp & paper, metals refining, food and beverage manufacturing sectors.

FluoroGask represents the state of the art in gasket technology, a pre-compressed piping gasket produced wholly from multi-directionally expanded PTFE. It is designed for use across the pharmaceutical and chemicals industry combining the corrosion performance and inertness of PTFE with a physical construction that produces an excellent gasket material and one that avoids cross-contamination issues.

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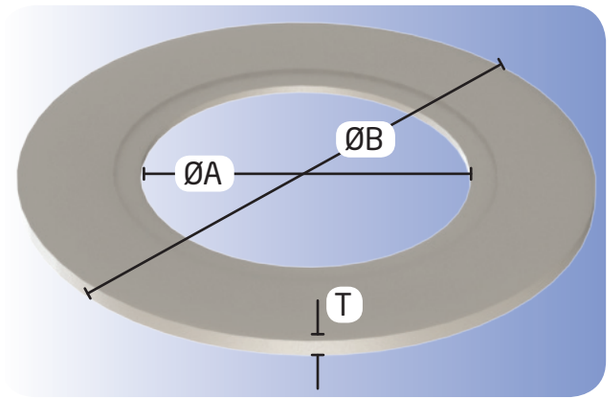

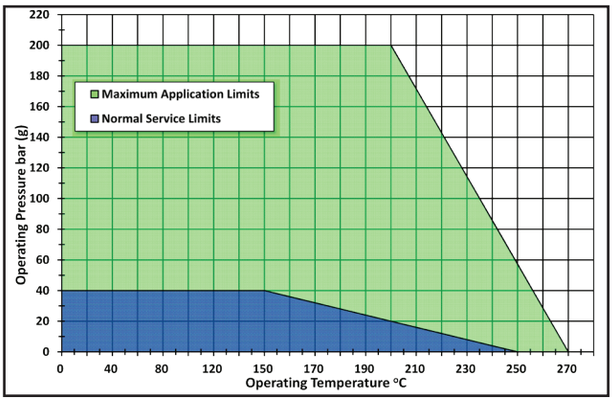

- **The gasket is ideal for all key flange materials - lined steel, GRP, other plastics etc.**
- **The gasket material is universally chemically resistant.**
- **FDA compliant material.**
- **Available for ASME and DIN flanges (this data is for ASME B16.5 Class 150).**
- **Pre-compressed core to reduce diffusion and cross-contamination that occurs with uncompressed material.**
- **Easy installation with the gasket OD fitting the flange IBC.**

Overview

FluoroGask represents the state of the art in gasket technology, a pre-compressed piping gasket produced wholly from multi-directionally expanded PTFE. It is designed for use across the pharmaceutical and chemicals industry combining the corrosion performance and inertness of PTFE with a physical construction that produces an excellent gasket material.

PTFE and PFA lined piping systems do not usually require gaskets for securely closing their joints. However, there are exceptions to this rule where joints are made and broken regularly, where lined equipment is joined to dissimilar materials or simply when gasketing has been selected as a site wide standard.

FluoroGask fulfills not only the gasketing needs of a lined piping system, but can also be used as the gasket of choice across all piping applications. Capable of meeting all types of flange standards, having almost universal corrosion resistance and handling a wide temperature, pressure and vacuum range they have countless applications. The multi-directional expanded PTFE improves the mechanical properties of PTFE making it highly conformable enabling it to achieve incredible tightness across a comprehensive range of materials and joint types.

Performance

The highly conformable material enables it to seal at low torques and makes it ideal for fragile or glass lined flanges. It is even capable of sealing most damaged flange sufaces.

Its wide application across piping systems enables a large degree of site standardisation and the comfort of knowing that an incorrect gasket hasn't been fitted.

PTFE is non-ageing, weather and UV resistant and can provide a long service life without the need for retorqueing.

A pre-compressed core to the gasket reduces diffusion, cross-contamination and migration as many flange types do not fully compress the id of gaskets causing them to absorb and pass back out materials into the next product.

Installation

Manufactured to the requirements of ASME B16.21 the gasket fits the inside bolt circle making it easy to centre and clear that there is a gasket present.

The multi-directionally expanded PTFE has exceptional mechanical strength allowing operation with minimal creep at elevated temperatures.

It is dimensionally stable with the gasket size remaining the same when under load. Allow 1.1mm for gasket thickness in piping design.

The pre-compressed core to the gasket increases its rigidity.

Used gaskets can be removed easily and without residue on the flange surfaces.

Food and Pharmaceutical Use

Manufactured according to GMP requirements and being both FDA and EU1935/2004 compliant the gasket can be used in both the food and pharmaceutical industry.

The pre-compressed bore prevents cross-contamination as pores are not present to trap media.

The gasket can withstand both CIP and SIP processes.

Dimensions ASME 150 Piping System				
		Thick	ID	OD
Nominal Bore		T	ØA	ØB
Inches	mm	mm	mm	mm
½	15	3.0*	21	48
¾	20	3.0*	27	57
1	25	3.0*	33	67
1½	40	3.0*	48	86
2	50	3.0*	60	105
2½	65	3.0*	73	124
3	80	3.0*	89	137
4	100	3.0*	114	175
6	150	3.0*	168	222
8	200	3.0*	219	279
10	250	3.0*	273	340
12	300	3.0*	324	410

*Please note that this gasket will compress to 1.1mm when installed, so please make this allowance in piping calculations.

Typical Joint Materials
PTFE and PFA Lined
Glass Lined
GRP/FRP (Please consult)
Glass (Please consult)
Plastic
Metal