

# Topog-E® Series 3000 gaskets

## MATERIAL COMPOSITION AND APPLICATION

**Topog-E® S-3000** gaskets are especially designed for inspection ports of boilers and tanks. They provide reliable sealability with low stress and exceptional dimension stability.

This form of gasketing is processed by layering over 150 thin films of expanded pure polytetrafluoroethylene (PTFE). The result is a bi-directional, soft, highly compressible gasket for longer life and trouble-free sealing. Its form-in-place versatility is perfect for sealing boiler plates that are worn, warped or scored. The high compressibility of the **Topog-E® S-3000** gasket enables it to effectively fill flange imperfections for a tight, leak-free seal. Unlike conventional PTFE which is prone to cold flow **Topog-E® S-3000** has good creep resistance and bolt torque retention properties. It does not support bacterial growth or cause product contamination and is FDA compliant. It has virtually no shelf-life concerns since PTFE is unaffected by normal environmental conditions.

**Topog-E® S-3000** has excellent resistance properties to chemical attack. It is ideal for most chemical services at temperatures to -450°F (-268°C) to 600°F (315°C) and pressure to 3,000 psi (206 bar). When high levels of CO<sub>2</sub> in the steam and condensate require increased levels of neutralizing amines to prevent condensate corrosion. This chemical injection with increasing alkalinity could potentially contest the upper limits of resistance with other gasket compounds. In challenging thermal cycling and elevated temperature applications, the **Topog-E® S-3000** gasket solution can reduce the process safety and production downtime risks caused by the use of an incorrect gasket material.

**Topog-E® Series 3000** gasket advantages:

**High adaptability**, suitable for flanges with corrosion and with uneven sealing surface

**Pressure test** and service with the same gasket

**Very easy installation** and removal

**Anti-sticking material**, low effort for surface cleaning when installing a new gasket

**No embrittlement** of the gasket in storage or in service

**Pure PTFE**, conforms to FDA standards

## SIZES

**Topog-E® Series 3000** gaskets are available in almost any shape or size. As a standard, **Topog-E® S-3000** is provided in 1/8" (3.2mm) thickness. Other thicknesses are available upon request.

## ORDERING

Please either contact your local distributor for **Topog-E® Series 3000** gaskets or contact Topog-E® directly for details of your nearest distributor.

## SERVICE SUMMARY

**Temperature:** -450°F (-268°C) to +600°F (+315°C)

**Pressure:** 3,000 psig (206 bar)

**M Factor:** 2 (Smooth Flange Surface)

**Y Stress:** 2,800 psi

(Smooth Flange Surface)



**TOPOG-E®**

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All information in this datasheet is based on data believed to be reliable; however, we make no guarantee or warranty of the performance of Topog-E® Series 3000 gaskets. Due to numerous application-specific factors that can influence service life, it is always advisable to first test Topog-E® Series 3000 gaskets in a particular application to determine their ultimate suitability.