



# Texolon® Gaskets

## Encapsulated PTFE Flange Gaskets

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Our steel reinforced pipe flange gaskets are a proprietary molded PTFE gasket featuring a stainless steel grade 304 perforated reinforcement core. Texolon® gaskets were developed for sealing difficult chemical applications requiring superior cold flow and blowout resistance. The combination of corrosion resistance of void-free PTFE fluorocarbon resins with the structural strength of grade 304 perforated stainless steel provides improved operational safety by reducing the need for repeated retorquing to maintain a leak-free seal.

### Why Choose Texolon® Gaskets

The Texolon® gasket is molded and oven sintered in a proprietary process totally encapsulating a 304 stainless steel perforated reinforcement core. The stainless steel core confines the PTFE and greatly reduces the effect of creep and cold flow of the gasket within the flange. Since the PTFE gasket relaxes and the stainless steel does not, the thickness reduction due to material flow is proportionately less. Repeated retorquing is rarely required to maintain a tight seal. The unique design of the molded PTFE with the stainless steel stabilizes the seal face and greatly enhances the cold flow resistance. Testing has confirmed that the Texolon® gasket experiences over one-third less stud load loss than virgin and glass filled PTFE gasket materials. The excellent creep and cold flow resistance allows higher temperature and pressure limits.

### Sizes

Texolon® PTFE flange gaskets are made to a standard of 3/32" thick and can be manufactured to a wide choice of standard dimensions ranging from 1/2" up to 48". Other thicknesses are available upon request and full-face configurations are also available. We also offer blind, fluid blocking configurations with a handle for ease of installation.

### For use in applications where:

- Liquids or gases are corrosive
- Higher pressures are encountered
- Contamination must be avoided
- Sudden failure in a system would be hazardous
- Long service life is mandatory
- A tight seal is needed to control emissions
- Pressure variations are present

### Temperature and Pressure Ratings

Temperature	Min.	-450°F (-268°C)
	Cont. Max.	+500°F (+260°C)
Pressure	psig	1200 (83 bar)
P x T Max.	psig x °F	350,000 (12,000 bar x °C)



Warning: Properties shown on this document are typical. Your specific application should not be undertaken without independent study and evaluation for suitability. For specific application recommendations, consult Plastomer Technologies. While the utmost care has been used in compiling this document, we assume no responsibility for errors.



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