

ECHELON-HF™

HF Alkylation Service Gasket

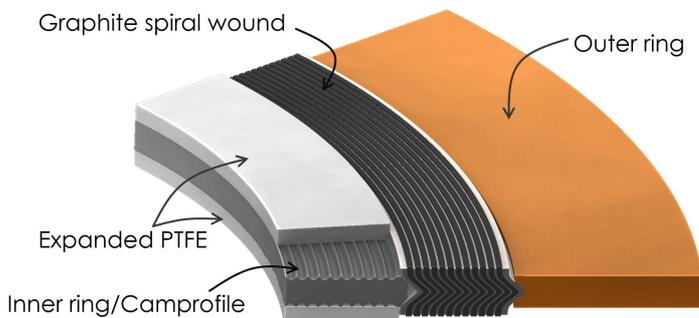
Description:

Overview:

Specifically designed for Hydrofluoric Acid (HF), to safely seal an extremely dangerous chemical, as well as where crevice corrosion is a concern, Teadit®'s Echelon-HF™ Gasket is a superior choice. This design is based on an ASME B16.20 spiral wound (primary seal), with a camprofiled Monel® inner ring, providing all the advantages of an inner ring and ePTFE facing with the added benefit of creating a secondary seal that extends towards the bore of the pipe.

Application:

Typical application for the Echelon-HF™ Gasket is HF Alkylation service where carbon steel flanges can be subject to extreme crevice corrosion. Our standard and proven configuration for HF Alkylation service utilizes Flexible Graphite filler for the spiral wound portion and ePTFE facing, creating an overall Collar/Inner Ring providing enhanced crevice corrosion protection for an extremely dangerous chemical. Where this configuration is not acceptable, other facing combinations can be utilized.



Features:

- Camprofiled Monel Inner Ring
- Compressible ePTFE Faced Inner Ring
- Low Stress Design Windings
- Graflex HT Flexible Graphite Filler
- Custom Dimensions Available
- Manufactured in Pasadena, TX

Material properties

Filler material	max. tempe
PTFE	260 (500 °F)
Graphite	450 (842 °F)*
*up to 650 °C (1,200 °F) with steam and under inert conditions	

Materials for winding:

Monel 400

Materials for inner ring:

Monel 400

Materials for outer ring:

carbon steel with corrosion protection (painted)

Additional materials on request.

Properties and application parameters shown throughout this data sheet are typical. Your specific application should not be undertaken without independent study and evaluation for suitability. For specific application recommendations consult TEADIT. Failure to select proper sealing products could result in property damage and/or serious personal injury. Specifications are subject to change without notice; this edition cancels all previous issues.