

ECHELON-HF™

HF Alkylation Service Gasket

Description:

Overview:

Specifically designed for hydrofluoric acid (HF) service, the Echelon-HF gasket is also the superior choice for other highly corrosive/dangerous chemicals or where crevice corrosion is a concern. This design is based on an ASME B16.20 spiral wound (primary seal), with a camprofiled monel inner ring. This, combined with ePTFE facing, provides the typical advantages of an inner ring but with the added benefit of a secondary seal near the bore of the pipe, which also effectively eliminates the risk of crevice corrosion.

Application:

The Echelon-HF™ gasket is specifically engineered for use in HF Alkylation service, where carbon steel flanges are highly susceptible to severe crevice corrosion. Our standard, field-proven configuration features an oxidation-inhibited graphite filler in the spiral wound portion, combined with an ePTFE facing. This design, which has an integrated Collar and Inner Ring, delivers enhanced protection against corrosion in one of the most hazardous chemical processing environments.



Features:

- Camprofiled monel inner ring
- Compressible ePTFE faced inner ring
- Low stress design windings
- Oxidation-inhibited graphite filler
- Custom dimensions available
- Manufactured in Pasadena, TX

Material properties

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

Materials for winding:

Monel 400

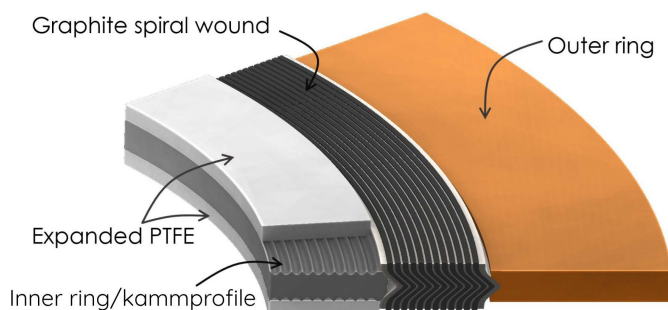
Materials for inner ring:

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.