

## Teflex® ERI-TITE gasket

ERIKS Teflex® ERI-TITE gasket is composed of a Silicone elastomer encapsulated in seamless FEP cover.

The elastomer works as a rubber material and helps the slow recovery of the FEP or PFA-cover. The chemical resistance of FEP is almost the same as PTFE. Permeability of FEP is much lower than PTFE. FEP complies with the FDA and USP class VI regulations for contact with food and pharmaceuticals.

The Encapsulated Teflex® ERI-TITE gasket is a critical component often used to prevent serious chemical/solvent spillage which can result in injury and environmental pollution. It is a component which we manufacture responsibly in a high quality manner, subject to stringent controls and only from the best leading name materials available.



### Product Description

Chemical Composition	: FEP cover: Copolymer of Hexa-Fluorpropylene and Polytetrafluoroethylene (PTFE)
Physical form	: CAMLOCK Seali Ring
Colour	: Red; cover: Translucent
Storage stability*	: 10 years

\* : Following DIN 7716 conditions

### Physical Properties

Test Method	Norm	Test Values
Specific Weight	ASTM 1817	1,26
Hardness	ASTM D 2240	60° ± 5° IRHD
Tensile Strength at break	ASTM D 412	8,6 MPa
Elongation at break	ASTM D 412	280%
Compression Set, 22h/175°C	ASTM D 395 B	9,2%
FEP cover		
Tensile Strength	ASTM D 2116	28 MPa
Fusion Point	ASTM D 3418	260°C

### Temperature Resistance

with FEP: -60° to +204°C

### Chemical Resistance

Concentrated acids	: very good
Acetone	: very good
Hydroxides	: very good
Benzol	: very good
Crude oil	: very good
Toluene	: very good
ASTM Fuel C	: very good
MEK	: very good
MTBE	: very good
Water	: very good
Steam	: very good

### Advantages

- Excellent chemical resistance, comparable with that of PTFE
- Low compression set of silicone core

### Other Information

- Other colours available on demand
- FEP in conformity with Foods and Drugs Administration (21 CFR 177.1550; 21 CFR 177.2600; 21 CFR 175.105, 21 CFR 176.180; 21 CFR 177.1520; 21 CFR 175.300; 21 CFR 176.170)
- Silicone inside compliant with FDA 21 CFR 177.2600
- FEP in conformity with U.S. Pharmacopeia (USP) class VI



Our Gasket profile is designed with large radiused corners. We have no reduction at weld point.

