

**SITTECH®**

TECHNICAL DATA SHEETS



- Very good media resist. [except liquid alkali mtl.]
- Long-term stable compression - recovery charact.
- Excellent [di]electric properties, Anti-adhesive surf.

ENVELOPE GASKETS

CATEGORY: FLANGE SEAL
MANUFACTURER: IDT
PROFILE: ED01
DIMENSION: EN 1514-3 [EN12560-3]
MATERIAL: WS 7110 / 1.4571

- For aggressive media which is hazardous for health
- Use in food sector and pharmaceutical production
- Used for high requirements in process purity

PRODUCT NAME

Envelope gasket
with corrugated metal ring
and diffusuion barrier [PW-I]

PROFILE

ED01



FEATURES

The PTFE-envelope consists of Dyneon™ TFM™ 1600 and has an interior diffusion barrier [4.0mm]. The stainless steel corrugated ring consists of 1.4571 [partition 3.0mm]. It has grooves on the inside and complies with Germany's Chemical Industry's specification. The gasket is mainly used in steel flange connections and allows high pressure-temperature combinations.

Complies with TA Luft and VDI 2290¹. Conductive design possible.

OPERATIONAL DATA

Pressure	Max. 40 bar
Temperature	-200°C to 200°C [for short peaks at 230°C]
Density [mDIN 2505]	
$\sigma_{VU0.1}$	
σ_{VO}	
$\sigma_{BO300^{\circ}C [200^{\circ}C]}$	

APPROVALS

TA Luft 2002 [VDI 2440/2200]	X
BAM oxygen	
BAM ethylene/propylene	
DVGW [DIN 3535-6]	
KTW-guideline	
Fire Safe Test	X*
FDA	
EG 1935/2004	
Blow-out resistance	X
Germanischer Lloyd	

Notes: ' complies with VDI 2290 only in combination with a leakage certificate as per EN 1591-1

* for additional information refer to approvals overview