



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:	ED30
DIMENSION:	EN 1514-3 [EN12560-3]
MATERIAL:	WS 7110 / 3825

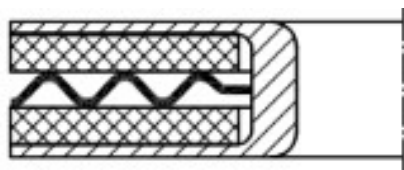
- For aggressive media which is hazardous for health
- Use in food sector and pharmaceutical production
- Used for high requirements in process purity

PRODUCT NAME

Envelope gasket
with diffusion barrier, corrugated metal ring
and two SIGRAFLEX® EMAIL graphite inserts

PROFILE

ED30



FEATURES

The PTFE-envelope consists of Dyneon™ TFM™ 1600 and has an interior diffusion barrier [3.0mm]. A corrugated ring [1.4571] with two graphite inserts made from SIGRAFLEX® EMAIL [each 2.0mm] are used. The gasket is suitable for highly corrosive media, high purity requirements, FDA-applications and for stress and bend sensitive flanges.

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

OPERATIONAL DATA

Pressure	Max. 40 bar ²
Temperature	-200°C to 200°C [short term 230°C]
Density [mDIN 2505]	
$\sigma_{VU0.1}$	
σ_{VO}	
$\sigma_{B0300^\circ C}$ [200°C]	

APPROVALS

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

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

² max. pressure and max. temperature should not occur at the same time * for additional information refer to approvals