



TECHNICAL DATA SHEETS

ENVELOPE GASKETS



CATEGORY: FLANGE SEAL
MANUFACTURER: IDT
PROFILE: ED30
DIMENSION: EN 1514-3 [EN12560-3]
MATERIAL: WS 7110 / 3822

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

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

PRODUCT NAME

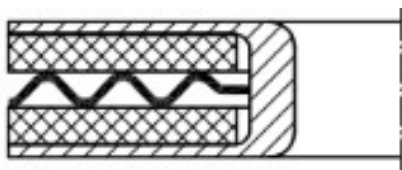
**Envelope gasket
with diffusion barrier, corrugated metal ring
and two aramid fiber inserts**

FEATURES

The PTFE-envelope consists of Dyneon™ TFM™ 1600 and has an interior diffusion barrier [3.0mm]. A corrugated ring [1.4571] and two aramid fiber inserts [each 2.0mm thick] are used. This gasket is preferably used in enamel applications, for chemically aggressive media, high purity requirements and for FDA-applications.

PROFILE

ED30



Conductive design possible.

OPERATIONAL DATA

Pressure	Max. 20 bar ²
Temperature	-50°C to 150°C [continuous use max. 100°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	
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