



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:	ED10
DIMENSION:	EN 1514-3 [EN12560-3]
MATERIAL:	WS 7110 / 3825

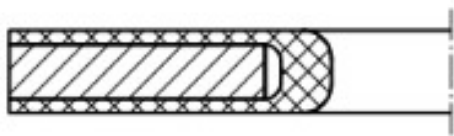
- For aggressive media which is hazardous for health
- Use in food sector and pharmaceutical production
- Used for high requirements in process purity

PRODUCT NAME

Envelope gasket
with diffusion barrier
and SIGRAFLEX® EMAIL graphite insert

PROFILE

ED10



FEATURES

The PTFE-envelope of the sealing system consists of Dyneon™ TFM™ 1600 and has an interior diffusion barrier [3.0mm]. The SIGRAFLEX® EMAIL insert is 3.0mm. Leading enamel flange manufacturers recommend this gasket up to nominal width DN 200, exceeding that width the profile ED30 with a thickness of 6.5mm.

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

OPERATIONAL DATA

Pressure	Max. 20 bar ²
Temperature	-200°C to 200°C [short term 230°C]
Density [mDIN 2505]	
$\sigma_{VU0.1}$	
σ_{VO}	
$\sigma_{BO300^\circ C}$ [200°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