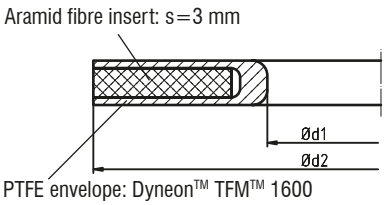
PTFE envelope gasket with inner diffusion barrier and aramid fibre insert (IDT Style: ED10)

The PTFE envelope is made of modified Dyneon™ TFM™ 1600 and incorporates an inner diffusion barrier (3 mm wide) and an aramid fibre insert (3 mm thick).

The sealing system requires a low minimum seating stress on installation and is resistant to most chemicals. The homogeneous practically pore-free polymer structure and the existing diffusion barrier provide for excellent gas leak-tightness.

The main application areas are where high chemical resistance and a high degree of product purity are required.

Construction



Operating limits

■ Operating pressure :	max. 20 bar
■ Operating temperature :	-50 °C to +150 °C
■ Recommended continuous operating temperature :	up to max. +100 °C

Max. temperature and max. pressure must not be permitted to occur simultaneously.

Gasket characteristics DIN 28090 (thickness = 4 mm)

σ_{VU} :	12	N/mm²
σ_{VO} :	90	N/mm²
$\sigma_{BO\ 150°C}$:	60	N/mm²
$m_{DIN\ 2505}$:	1.1	

Approvals

- FDA compliant (parts in contact with product)
- TA-Luft 2002 (VDI 2440/2200) [1)]

[1)] TA-Luft: German Technical Instructions on Air Quality Control

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