

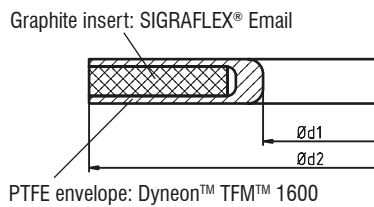
PTFE envelope gasket with inner diffusion barrier and SIGRAFLEX® Email graphite insert (IDT Style: ED10)



The PTFE envelope is made of modified Dyneon™ TFM™ 1600 and incorporates an inner diffusion barrier (3 mm wide) and a graphite insert in SIGRAFLEX® Email (3 mm thick). Leading enamel flange manufacturers recommend this seal up to DN 250 nominal width upward. Where widths are greater the use of sealing system IDT Profile ED30 6.5 mm is recommended for its greater resilience.

The sealing system requires only a low surface contact pressure on installation; it is resistant to most chemicals, it neither ages nor becomes brittle. The seal is particularly suitable in environments with highly corrosive media, where a high degree of product purity is required, for FDA applications and in flanges sensitive to tension and bending.

Construction



Operating limits

■ Operating pressure :	max. 20 bar
■ Operating temperature :	-200 °C to +200 °C (short-term: 230 °C)

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

Gasket characteristics DIN 28090 (thickness = 4 mm)

σ_{VU} :	8 N/mm ²
σ_{VO} :	60 N/mm ²
$\sigma_{BO 150^\circ C}$:	30 N/mm ²
$m_{DIN 2505}$:	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

General information
 All information given in this Technical Information sheet represents our current level of knowledge and serves as information on our products and their respective scope. It is not meant to ensure any particular properties of any product or the suitability of any product for any specific application, neither does it create any liability on our part.
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