

ENVELOPE GASKETS MADE OF MODIFIED PTFE (TFM™ 1600) WITH INTERNAL DIFFUSION BARRIER AND STAINLESS STEEL CORRUGATED RING (PW-I)

7150ED01

The casing of the PWI Gaskets is made of TFM™ 1600 with an internal diffusion barrier [4 mm]. The stainless steel corrugated ring used [standard 1.4571] has a pitch of 3 mm and has a center outlet. The design complies with the specifications of the German chemical industry.



TFM™ is a modified PTFE [mPTFE]. This material is still part of our portfolio. Alternatively, we process mPTFE such as INOFLON® M295 or DAIKIN® MG3 MOD-FF/HD.

Operating data

Temperatur [min]	-269 °C
Temperatur [max]	250 °C
Pressure [max]	80 bar

Gasket characteristics EN 13555

Gasket Characteristics [IDT]

https://atopim.idt-gaskets.com/upload/files/06lsx/xjzn3/8tonu/3itw6/ned8w/2jw9o/ED01 - WS 7110 - 1.4571 - 3,5 mm_FHM_de.pdf

Gasket characteristics DIN 2505 V

$K_0 \times K_d$ [N/mm]	$12 \times b_d$
k1 [mm]	$1 \times b_d$

Gasket characteristics DIN 28090

σ_{V0} [N/mm ²]	90
$\sigma_{VU 0,1}$ [N/mm ²]	12
m [DIN 28090]	1
$\sigma_{B0 150 °C}$ [N/mm ²]	60

This datasheet on the internet: <https://idt-gaskets.com/products/gaskets/61f7e4a699bfa4a46>

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Gasket characteristics ASME

m [ASME]	2
Y [PSI]	1800

Approvals and test reports

TA Luft 2002 [VDI 24A0/2200]

DIN EN13555 [TA Luft 2021]

Blow-out resistance

BAM oxygen

BAM oxygen [liquid]

Drinking Water [KTW; WRAS]

WRAS

W270

FDA [Food]

EG 1935/2004

Flange shapes

Self-centering, Raised Face (form IBC)

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Further sealing systems and technical information can be found [idt-gaskets.com](https://www.idt-gaskets.com)

Last Changed 2025-07-09