

# 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://atropim.idt-gaskets.com/upload/files/06lsx/xjzn3/8tonu/3itw6/ned8w/2jw9o/ED01 - WS 7110 - 1.4571 - 3,5 mm\\_FHM\\_de.pdf](https://atropim.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]	$12 \times b_d$
$k_1$ [mm]	$1 \times b_d$

## Gasket characteristics DIN 28090

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

## Gasket characteristics ASME

m [ASME]	2
Y [PSI]	1800

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

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 scopes. 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. © Copyright by IDT

## Approvals and test reports

TA Luft 2002 [VDI 24A0/2200]

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DIN EN13555 [TA Luft 2021]

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Blow-out resistance

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BAM oxygen

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BAM oxygen [liquid]

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Drinking Water [KTW; WRAS]

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WRAS

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W270

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FDA [Food]

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EG 1935/2004

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## Flange shapes

Self-centering, Raised Face [form IBC]

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