

# PTFE TFM™ ENVELOPE GASKET, WITH INNER DIFFUSION BARRIER AND PTFE INSERT

7145ED10

The cover is made of TFM™ 1600 with an internal diffusion barrier [width 3 mm]. The insert is made of PTFE quality UNIFLUOR® 7550 with a thickness of 3 mm. Leading enamel flange manufacturers recommend this gasket up to a nominal diameter of DN 200. For larger nominal diameters, the use of the IDT profile ED30 gasket system with a thickness of 6.5 mm is recommended due to its higher compensation capacity.



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]	200 °C
Pressure [max]	40 bar

## Gasket characteristics EN 13555

Gasket Characteristics [Amtec]

[https://idt-gaskets.com/download/dichtungskennwerte/28C8\\_439](https://idt-gaskets.com/download/dichtungskennwerte/28C8_439)

## Gasket characteristics DIN 2505 V

$K_0 \times K_d$ [N/mm]	$8 \times b_d$
k1 [mm]	$1,1 \times b_d$

## Gasket characteristics DIN 28090

$\sigma_{V0}$ [N/mm <sup>2</sup> ]	90
$\sigma_{VU 0,1}$ [N/mm <sup>2</sup> ]	8
m [DIN 28090]	1.1
$\sigma_{B0 150 \text{ °C}}$ [N/mm <sup>2</sup> ]	60

## Gasket characteristics ASME

m [ASME]	2
Y [PSI]	1200

This datasheet on the internet: <https://idt-gaskets.com/products/gaskets/63eb52c4101a99d11>

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## Approvals and test reports

TA Luft 2002 [VDI 24A0/2200]

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DIN EN13555 [TA Luft 2021]

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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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Glass-lined, Enamelled flange

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GRP flange

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Plastic flange

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PTFE-lined steel flange

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

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