

PTFE TFM™ ENVELOPE GASKET, WITH INNER DIFFUSION BARRIER, STAINLESS STEEL CORRUGATED RING AND 2 GRAPHITE INSERTS

7154ED30

The PTFE envelope is made of TFM™ 1600 with an inner diffusion barrier [3 mm wide], a corrugated ring [1.4571] and two graphite inserts in Sigraflex Email [each 2 mm thick]. The seal features high resilience and is recommended by leading enamel flange manufacturers from DN 250 upwards; it is however available in all nominal widths.



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]	260 °C
Pressure [max]	40 bar

Gasket characteristics EN 13555

Gasket Characteristics [Amtec]

https://idt-gaskets.com/download/dichtungskennwerte/28C8_346

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

σ_{V0} [N/mm ²]	60
$\sigma_{VU 0,1}$ [N/mm ²]	8
m [DIN 28090]	1.1
$\sigma_{B0 150 °C}$ [N/mm ²]	55

Gasket characteristics ASME

m [ASME]	2
Y [PSI]	1200

This datasheet on the internet: <https://idt-gaskets.com/products/gaskets/61f7e49f4faf842c2>

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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

Glass-lined, Enamelled flange

GRP flange

Plastic flange

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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