

SIGRAFLEX® SELECT FLAT GASKET WITH INNER EYELET 1.4571

3830FD10

Newly developed flat gasket system made by SGL. The flat gasket consists of 3 graphite and 2 thin stainless steel foils [1.4401 / s = 0,05 mm]. They have a sandwich-style design, while the connection between graphite and stainless steel foil consists of a non-adhesive bond. The gasket also has an inner eyelet. The graphite covering layers are impregnated.



Operating data

Temperatur	450 °C
Temperatur [min]	-269 °C
Temperatur [max]	550 °C
Pressure [max]	100 bar

Gasket characteristics DIN 2505 V

$K_0 \times K_d$ [N/mm]	$17 \times b_d$
k1 [mm]	$1,3 \times b_d$

Gasket characteristics DIN 28090

σ_{V0} [N/mm ²]	160
$\sigma_{VU 0,1}$ [N/mm ²]	17
m [DIN 28090]	1.3
$\sigma_{B0 300 \text{ °C}}$ [N/mm ²]	140

Gasket characteristics ASME

m [ASME]	2
Y [PSI]	2000

Approvals and test reports

TA Luft 2002 [VDI 24A0/2200]

DIN EN13555 [TA Luft 2021]

Fire Safe Test

Blow-out resistance

BAM oxygen

Gas [DIN 3535-6]

EG 1935/2004

This datasheet on the internet: <https://idt-gaskets.com/products/gaskets/61f7e4a057fc5f6c2>

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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)

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