

## TEFLON TF 1590

Rev.Nr: 01/131004

### Opis:

TEFLON TF 1590 je strukturalna teflonska brtva u obliku ploče, proizvedena jedinstvenim procesom koji omogućava visok nivo fibrilacije, čime se sprečavaju pojave hladnog curenja i smanjenja debljine brtve pod opterećenjem, koja se često dešavaju kod brtvi od sintetiziranog teflona. TEFLON TF 1590 se proizvodi od čistog (100% Virgin) teflonskog praha i silikata.

### Tehničke karakteristike:

**Boja:** blijedo narančasta

**Dimenzije ploča:** 1500 x 1500 mm, u debljinama od 1,5 mm, 2 mm i 3 mm.

**Temperaturni opseg:** -210°C do +260°C

**Kemijska otpornost:** inertan je u odnosu na kemijske supstance (pH 0-14), uključujući i najagresivnije kiseline i bazne fluide umjerenog intenziteta. Ne preporučuje se za upotrebu sa rastopljenim alkalnim metalima i elementarnim fluorom pri visokim tlakovima i temperaturama.

**Radni tlak:** max. 83 bara

**Starenje materijala:** TEALON TF 1590 nije podložan starenju, niti utjecaju atmosferalija. Može se skladištiti u neograničenom vremenskom roku.

**Sigurnost upotrebe:** TEALON TF 1590 ispunjava FDA zahtjeve za upotrebu u kontaktu sa prehrambenim proizvodima, fiziološki je neškodljiv i može se koristiti u aplikacijama s kisikom.

### Atesti:

FDA: u skladu sa FDA Perfluorcarbon regulativama  
TA Luft: premašuje zahtjeve tehničkog uputstva za kvalitetu zraka

BAM: odobreno za korištenje sa kisikom

DVGW: odobreno za cijevi za vodu i plinove

Blow-Out-Test VDI 2200

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### Prednosti:

- Preporučuje se upotreba kod aplikacija sa visokim tlakovima i temperaturama, posebno u kemijskim i postrojenjima za proizvodnju ugljikovodika, kao i u kontaktu sa jakim kiselinama (izuzev fluorovodične), otapalima, ugljovodicima, klorom, vodom, parom itd.
- TEALON TF 1590 se brzo i jednostavno ugrađuje. Iskorištena brtva se uklanja lako i bez ostatka sa brtvene površine.

NO WAY THROUGH



[www.teadit.eu](http://www.teadit.eu)

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Techničke karakteristike	Opis testa	Nominalna vrijednost	Parametri
Specific weight [g/cm <sup>3</sup> ]	ASTM D 792	2.1	
Compressibility [%]	ASTM F 36 A	10	s = 34 MPa
Recovery [%]	ASTM F 36 A	40	s = 34 MPa
Compressibility e <sub>KSW</sub> [%]	DIN 28090 - 2	6	s = 20 MPa
Recovery e <sub>KRW</sub> [%]	DIN 28090 - 2	2.2	s = 20 MPa
Tensile strength [MPa]	ASTM 152	14	Room temperature
Creep deformation [%]	ASTM F38	18	
Stress retention [MPa]	DIN 52913	13	30N/mm <sup>2</sup> , 150°C, 16h
Sealability [ml/h]	ASTM F 37 A	0.2	0.7 bar
Q <sub>min, 0.01</sub> [MPa]	prEN 13555	21	He, 40 bar
Q <sub>Smin, 0.01</sub> [MPa]	prEN 13555	< 10	He, 40 bar
Q <sub>min, 0.001</sub> [MPa]	prEN 13555	29	He, 40 bar
Q <sub>Smin, 0.001</sub> [MPa]	prEN 13555	< 10	He, 40 bar
Q <sub>crit</sub> [MPa]	prEN 13555	> 240	Room temperature
Q <sub>SMAX</sub> [MPa]	prEN 13555	> 240	Room temperature
E <sub>0</sub> [MPa]	prEN 13555	663	Room temperature
K <sub>I</sub> [1]	prEN 13555	25	Room temperature
Sealability [cm <sup>3</sup> /min]	DIN 3535	< 0.015	N <sub>2</sub> , 40 bar, 32 MPa
Specific leakage rate L [mbar · l / (s · m)]	VDI 2440 / TA LUFT	1.1 · 10 <sup>6</sup>	He, 1bar, 30 MPa

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