

TEALON TF 1590

Rev.Nr: 01/131004

Opis:

TEALON TF 1590 je strukturalni teflonski zaptivač u obliku ploče, proizveden jedinstvenim procesom koji omogućava visok nivo fibrilacije, čime se sprečavaju pojave hladnog tečenja i smanjenja debljine zaptivača pod opterećenjem, koje se često dešavaju kod zaptivača od sinterovanog teflona. TEALON TF 1590 se proizvodi od čistog (100% Virgin) teflonskog praha i silikata.

Tehničke karakteristike:

Boja: bledo narandžasta

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

Temperaturni opseg: -210°C do +260°C

Hemijska otpornost: inertan je u odnosu na hemijske supstance (pH 0-14), uključujući i najagresivnije kiseline i bazne fluide umerenog intenziteta. Ne preporučuje se za upotrebu sa rastopljenim alkalnim metalima i elementarnim fluorinom pri visokim pritiscima i temperaturama.

Radni pritisak: max. 83 bara

Starenje materijala: TEALON TF 1590 nije podložan starenju, ni uticaju atmosferalija. Može se skladištiti u neograničenom vremenskom roku.

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

Atesti:

FDA: u skladu sa FDA Perfluorcarbon regulativama
TA Luft: prevazilazi zahteve tehničkog uputstva za kvalitet vazduha

BAM: odobreno za korš čenje sa kiseonikom

DVGW: odobreno za cevi za vodu i gasove
Blow-Out-Test VDI 2200

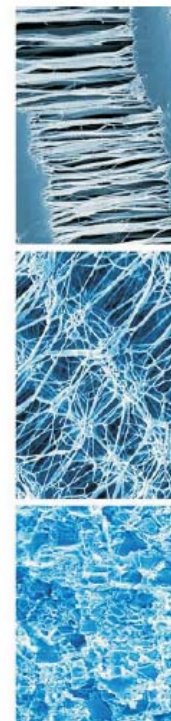
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Prednosti:

- Preporučuje se upotreba kod aplikacija sa visokim pritiscima i temperaturama, posebno u hemijskim i postrojenjima za proizvodnju ugljovodonika, kao i u kontaktu sa jakim kiselinama (izuzev fluorovodonične), rastvaračima, ugljovodonicima, hlorom, vodom, parom itd.
- TEALON TF 1590 se brzo i jednostavno ugrađuje. Iskorišćeni zaptivač se uklanja lako i bez ostatka na zaptivnoj površini.

NO WAY THROUGH



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Techničke karakteristike	Opis testa	Nominalna vrednost	Parametri
Specific weight [g/cm ³]	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 _{KSW} [%]	DIN 28090 - 2	6	s = 20 MPa
Recovery e _{KRW} [%]	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 ² , 150°C, 16h
Sealability [ml/h]	ASTM F 37 A	0.2	0.7 bar
Q _{min, 0.01} [MPa]	prEN 13555	21	He, 40 bar
Q _{Smin, 0.01} [MPa]	prEN 13555	< 10	He, 40 bar
Q _{min, 0.001} [MPa]	prEN 13555	29	He, 40 bar
Q _{Smin, 0.001} [MPa]	prEN 13555	< 10	He, 40 bar
Q _{crit} [MPa]	prEN 13555	> 240	Room temperature
Q _{SMAX} [MPa]	prEN 13555	> 240	Room temperature
E ₀ [MPa]	prEN 13555	663	Room temperature
K ₁ [1]	prEN 13555	25	Room temperature
Sealability [cm ³ /min]	DIN 3535	< 0.015	N ₂ , 40 bar, 32 MPa
Specific leakage rate L [mbar · l / (s · m)]	VDI 2440 / TA LUFT	1.1 · 10 ⁻⁶	He, 1bar, 30 MPa

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