

10. PTFE ENVELOPE GASKETS



PROPERTIES AND APPLICATION

The sealing insert is made of corrugated stainless steel, soft non-asbestos material or rubber. This insert is coated with PTFE and open on one side, usually on the outside. Thanks to the high chemical stability, good mechanical properties and permanent resistance in the atmosphere (humidity, gasses, temperature changes) they are suitable for all types of gaskets and different media, mostly for aggressive chemicals.

ADVANTAGES

Thanks to the high stability of C-F bond virgin PTFE, which is used for the envelope, exhibits extraordinary chemical resistance. Combinations of two or more insert materials allow a large number of different applications.

SHAPE AND CONSTRUCTION

The TESNILA PTFE enveloped gaskets are produced in several types to meet the most demanding applications. Standard shapes are round and oval.

Enveloped materials: Virgin PTFE,
Base material: Stainless steel, non-asbestos material, rubber, ...

SIZE

The PTFE envelope for gaskets with maximum external diameter of up to 500 mm are made in one piece, for gaskets with greater diameters they are welded. Oval shapes of PTFE envelopes are welded. There are no limitations regarding sizes for gaskets with welded envelopes.

EN 1514-3

DN	Gasket inside diameter min.	Envelope outside diameter min.	Gasket outside diameter					
			PN 6	PN 10	PN 16	PN 25	PN 40	PN 63
10	18	36	39	46	46	46	46	56
15	22	40	44	51	51	51	51	61
20	27	50	54	61	61	61	61	72
25	34	60	64	71	71	71	71	82
32	43	70	76	82	82	82	82	88
40	49	80	86	92	92	92	92	103
50	61	92	96	107	107	107	107	113
65	77	110	116	127	127	127	127	138
80	89	126	132	142	142	142	142	148
100	115	151	152	162	162	168	168	174
125	141	178	182	192	192	194	194	210
150	169	206	207	218	218	224	224	247
200	220	260	262	273	273	284	290	309
250	273	314	317	328	329	340	352	364
300	324	365	373	378	384	400	417	424
350	356	412	423	438	444	457	474	486
400	407	469	473	489	495	514	546	543
450	458	528	528	539	555	564	571	
500	508	578	578	594	617	624	628	
600	610	679	679	695	734	731	747	

GASKET ORDERING EXAMPLE

EN 1514-3, Type C, DN 65, PN 16, 2 mm, virgin PTFE

all dimensions are in mm

