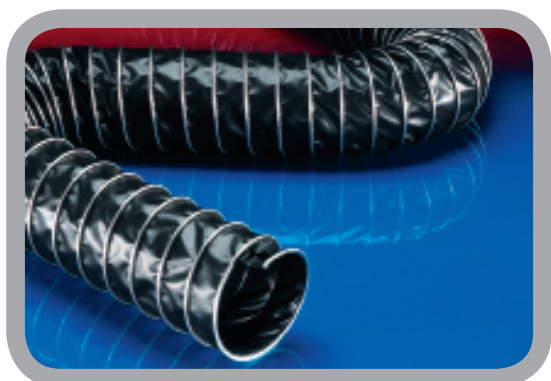


## CP PTFE/Hypalon®-VA 472 EL


**APPLICATIONS**

Electrically conductive suction and blast hose, especially suitable:

- In areas liable to contain explosive mixtures (explosion protection)
- For aggressive solids such as dust, powder and fibres
- For aggressive gaseous media such as vapors and smoke
- As bellows and compensator
- For de-dusting and suction plants

**PROPERTIES**

- Surface resistant PTFE foil <math>< 10^6 \Omega</math>
- Double-layer
- Very good heat resistance
- Highly flexible and compressible 4:1
- Abrasion protection via external clamp profile
- Firm clamping of the wall in clamp profile
- Anti-adhesive
- Good resistance to alkalis and acids
- Extremely good resistance to chemicals (see chapt. 14.1)
- Good resistance to UV and ozone (see chapt. 14.8)
- Small bending radius
- Kink-proof
- Light weight
- According to TRBS 2153 (formerly BGR 132): capable of electro-static discharge by grounding the spiral, recommended for many applications with the exception of inflammable bulk materials

**MATERIAL**

- Wall: interior semi-conducting PTFE foil, exterior Hypalon® coated polyester fabric
- Clamp profile: stainless steel (VA)

**TEMPERATURE RANGE**

- -40°C approx to +170°C approx

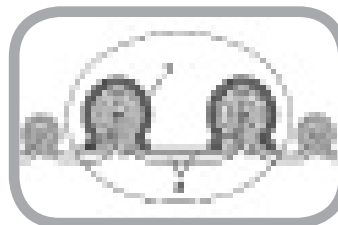
**COLOUR**

- Transparent

**CONSTRUCTION**

Patented CP construction (CP = clamp profile, see chapt. 0.2):

- 1 Clamp profile supporting spiral (metal band and wire)
- 2 Double-layer wall



## CP PTFE/Hypalon®-VA 472 EL

I.D	O.D	Recommended Operating Limits		Bending Radius (middle of hose)	Weight	Further Production Lengths	Order Number
		Overpressure bar	Vacuum bar				
mm	mm	bar	bar	mm	kg/m	mm	
50	62	0.42	0.3	43	0.84	6	472-0050-1003
55	67	0.4	0.28	47	0.91	6	472-0055-1003
60	72	0.375	0.25	50	0.99	6	472-0060-1003
65	77	0.36	0.23	54	1.06	6	472-0065-1003
70	82	0.34	0.21	57	1.13	6	472-0070-1003
75	87	0.33	0.18	61	1.21	6	472-0075-1003
80	92	0.315	0.16	64	1.29	6	472-0080-1003
90	102	0.29	0.11	71	1.43	6	472-0090-1003
100	112	0.19	0.1	78	1.16	6	472-0100-1003
110	122	0.18	0.085	85	1.26	6	472-0110-1003
120	132	0.17	0.075	92	1.37	6	472-0120-1003
125	137	0.165	0.07	96	1.43	6	472-0125-1003
130	142	0.16	0.06	99	1.48	6	472-0130-1003
140	152	0.155	0.05	106	1.59	6	472-0140-1003
150	162	0.105	0.04	113	1.19	6	472-0150-1003
160	172	0.1	0.035	120	1.27	6	472-0160-1003
170	182	0.095	0.035	127	1.35	6	472-0170-1003
175	187	0.095	0.03	131	1.38	6	472-0175-1003
180	192	0.09	0.03	134	1.42	6	472-0180-1003
200	212	0.085	0.025	148	1.58	6	472-0200-1003
215	227	0.08	0.02	159	1.69	6	472-0215-1003
225	237	0.08	0.02	166	1.77	6	472-0225-1003
250	262	0.06	0.02	183	1.96	6	472-0250-1003
275	287	0.055	0.015	201	2.15	6	472-0275-1003
300	312	0.05	0.01	218	2.34	6	472-0300-1003
315	327	0.05	0.01	228	2.46	6	472-0315-1003
325	337	0.04	0.01	236	2.53	6	472-0325-1003
350	362	0.04	0.01	253	2.72	6	472-0350-1003
375	387	0.035	0.01	270	2.91	6	472-0375-1003
400	412	0.035	0.01	288	3.10	6	472-0400-1003
450	462	0.03	0.005	323	3.87	6	472-0450-1003
500	512	0.02	0.005	358	3.87	6	472-0500-1003
600	612	0.02	0.005	428	4.63	3	472-0600-1003
700	712	0.015	0.002	498	5.39	3	472-0700-1003
800	812	0.015	0.001	568	6.16	3	472-0800-1003
900	912	0.015	0.001	638	6.92	3	472-0900-1003
1000	1012	0.01	0.001	708	7.68	3	472-1000-1003

Further diameters and lengths available on request. All stated data are approx. figures based on a temperature of 20 °C. Engineering modifications subject to change. Please refer to technical index