

Chemically resistant hoses



P2 PE, P2 PE EL

Hose for the extraction and transfer of aggressive fumes and gases with conductive version for explosive atmospheres (P2PE EL)

Hose material: 0.4 mm thick polyethylene (PE), transparent (standard version P2PE), black (conductive version P2PE EL)

Reinforcement: steel wire spiral

Operating temp: -40°C to +60°C

Very lightweight, highly flexible and flexible hose for the extraction of aggressive chemical vapours and gases, ventilation and air conditioning. Good chemical resistance to solvents and other aggressive vapours. Resistant to hydrolysis and biological corrosion. Free of halogen compounds and plasticisers. Mainly used in the chemical industry. Other diameters in the range 40 ÷ 610 mm available.

Version P2PE EL - electrically conductive hose with resistance $R \leq 10^{(4)} \Omega$, compliant with ATEX Directive 2014/34/EU and TRGS 727, made of black polyethylene.

Chemical resistance check: PE chemical resistance table (pre-selection), confirmation of resistance and conditions of use by Tubes International.

index	index	internal diameter [mm]	wire diameter [mm]	working pressure 23°C [bar]	vacuum 23°C [bar]	bend radius [mm]	mass [kg/m]	standard length [m]
SC-P2PE-040	SC-P2PEEL-040	40	1	0,45	0,18	28	0,11	10
SC-P2PE-050	SC-P2PEEL-050	50	1	0,4	0,16	35	0,12	10
SC-P2PE-055	SC-P2PEEL-055	55	1	0,4	0,16	39	0,14	10
SC-P2PE-060	SC-P2PEEL-060	60	1	0,4	0,16	42	0,15	10
SC-P2PE-065	SC-P2PEEL-065	65	1	0,35	0,14	46	0,16	10
SC-P2PE-070	SC-P2PEEL-070	70	1	0,3	0,12	49	0,17	10
SC-P2PE-075	SC-P2PEEL-075	75	1	0,3	0,1	53	0,18	10
SC-P2PE-080	SC-P2PEEL-080	80	1	0,3	0,1	56	0,20	10
SC-P2PE-090	SC-P2PEEL-090	90	1	0,25	0,09	63	0,22	10
SC-P2PE-100	SC-P2PEEL-100	100	1,2	0,2	0,09	70	0,30	10
SC-P2PE-110	SC-P2PEEL-110	110	1,2	0,2	0,08	77	0,32	10
SC-P2PE-115	SC-P2PEEL-115	115	1,2	0,2	0,08	81	0,34	10
SC-P2PE-120	SC-P2PEEL-120	120	1,2	0,2	0,08	84	0,35	10
SC-P2PE-125	SC-P2PEEL-125	125	1,2	0,2	0,08	88	0,37	10
SC-P2PE-130	SC-P2PEEL-130	130	1,2	0,2	0,07	91	0,38	10
SC-P2PE-140	SC-P2PEEL-140	140	1,2	0,2	0,06	98	0,41	10
SC-P2PE-150	SC-P2PEEL-150	150	1,2	0,2	0,06	105	0,44	10
SC-P2PE-160	SC-P2PEEL-160	160	1,2	0,15	0,05	112	0,51	10
SC-P2PE-165	\$	165	1,2	0,1	0,05	116	0,55	10
SC-P2PE-170	SC-P2PEEL-170	170	2	0,1	0,05	119	0,59	10
SC-P2PE-175	SC-P2PEEL-175	175	2	0,1	0,05	123	0,89	10
SC-P2PE-180	SC-P2PEEL-180	180	2	0,09	0,05	126	0,91	10
SC-P2PE-200	SC-P2PEEL-200	200	2	0,09	0,05	140	1,01	10
SC-P2PE-215	SC-P2PEEL-215	215	2	0,08	0,04	151	1,09	10
\$	SC-P2PEEL-220	220	2	0,08	0,04	154	1,13	10
SC-P2PE-225	SC-P2PEEL-225	225	2	0,08	0,04	158	1,16	10
SC-P2PE-250	SC-P2PEEL-250	250	2	0,08	0,04	175	1,26	10
SC-P2PE-275	SC-P2PEEL-275	275	2	0,06	0,03	193	1,35	10
SC-P2PE-280	\$	280	2	0,05	0,03	196	1,42	10
SC-P2PE-300	SC-P2PEEL-300	300	2	0,05	0,03	210	1,51	10
SC-P2PE-315	SC-P2PEEL-315	315	2	0,04	0,02	221	1,73	10
\$	SC-P2PEEL-320	320	2	0,03	0,02	224	1,76	10
SC-P2PE-350	\$	350	2	0,03	0,02	245	2,06	10
SC-P2PE-400	\$	400	2	0,02	0,02	280	2,35	10
SC-P2PE-450	\$	450	2	0,02	0,01	315	2,64	10
SC-P2PE-500	SC-P2PEEL-500	500	2	0,01	0,01	350	2,93	10
SC-P2PE-610	\$	610	2	0,01	0,01	427	3,57	10

\$ - available on special request