

Chemically resistant hoses



GRIPFLEX PETEF, PETEF EL

Teflon hose for extraction and transfer in the chemical and food industry

Inner layer: Teflon film (PTFE) white, conductive black (EL version)

Outer layer: polyethylene fabric covered with polyethylene (PE)

Reinforcement: CLIP type - external wire spiral and galvanised sheet steel, left-hand (optional stainless steel)

Operating temp: -40°C to +80°C

Lightweight, highly flexible and flexible, chemically resistant **double-layered** hose for the most aggressive chemical vapours, gases, dust and fibres (non-abrasive). Very good chemical resistance to aggressive chemicals due to the inner layer of PTFE film. In the standard version, the inner layer of white natural PTFE meets the requirements of the food industry (FDA). In the antistatic version EL, the black inner PTFE layer is electrically conductive ($R \leq 10^{(6)} \Omega$). The hose is characterised by high compressibility - up to 1:6, strong construction resistant to vibration, stretching and tearing, injury resistance due to the external spiral. Resistant to UV radiation, ozone and ageing. Used in chemical and food industries. Also available with stainless steel spiral (from 80 mm diameter). Hose assembly on couplings with bridge ties (left-handed).

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

index (standard)	index (EL version)	internal diameter [mm]	working pressure 23°C [bar]	vacuum 23°C [bar].	bend radius [mm]	approximate mass [kg/m]	standard length [m]
TS-PETEF-050	TS-PETEFEL-050	50	0,85	0,32	30	0,4	2 to 10
TS-PETEF-060	TS-PETEFEL-060	60	0,68	0,22	36	0,5	2 to 10
TS-PETEF-065	TS-PETEFEL-065	65	0,59	0,19	39	0,5	2 to 10
TS-PETEF-070	TS-PETEFEL-070	70	0,53	0,16	42	0,5	2 to 10
TS-PETEF-075	TS-PETEFEL-075	75	0,47	0,14	45	0,6	2 to 10
TS-PETEF-080	TS-PETEFEL-080	80	0,43	0,125	48	0,6	2 to 10
TS-PETEF-090	TS-PETEFEL-090	90	0,355	0,1	54	0,6	2 to 10
TS-PETEF-100	TS-PETEFEL-100	100	0,3	0,08	60	0,6	2 to 10
TS-PETEF-110	TS-PETEFEL-110	110	0,258	0,066	66	0,7	2 to 10
TS-PETEF-120	TS-PETEFEL-120	120	0,224	0,056	72	0,7	2 to 10
TS-PETEF-125	TS-PETEFEL-125	125	0,21	0,05	75	0,8	2 to 10
TS-PETEF-130	TS-PETEFEL-130	130	0,197	0,047	78	0,8	2 to 10
TS-PETEF-140	TS-PETEFEL-140	140	0,14	0,041	84	0,8	2 to 10
TS-PETEF-150	TS-PETEFEL-150	150	0,157	0,036	90	0,9	2 to 10
TS-PETEF-160	TS-PETEFEL-160	160	0,14	0,031	96	0,9	2 to 10
TS-PETEF-170	TS-PETEFEL-170	170	0,128	0,028	102	0,9	2 to 10
TS-PETEF-175	TS-PETEFEL-175	175	0,123	0,026	105	1	2 to 10
TS-PETEF-180	TS-PETEFEL-180	180	0,117	0,025	108	1	2 to 10
TS-PETEF-200	TS-PETEFEL-200	200	0,1	0,02	120	1,2	2 to 10
TS-PETEF-215	TS-PETEFEL-215	215	0,09	0,018	129	1,3	2 to 10
TS-PETEF-225	TS-PETEFEL-225	225	0,08	0,016	135	1,4	2 to 10
TS-PETEF-250	TS-PETEFEL-250	250	0,07	0,013	175	1,6	2 to 10
TS-PETEF-275	TS-PETEFEL-275	275	0,06	0,011	193	1,9	2 to 10
TS-PETEF-300	TS-PETEFEL-300	300	0,05	0,009	210	2,1	2 to 10
TS-PETEF-315	TS-PETEFEL-315	315	0,05	0,008	221	2,1	2 to 10
TS-PETEF-325	TS-PETEFEL-325	325	0,05	0,008	228	2,2	2 to 10
TS-PETEF-350	TS-PETEFEL-350	350	0,04	0,007	245	2,5	2 to 10
TS-PETEF-375	TS-PETEFEL-375	375	0,04	0,006	263	2,9	2 to 10
TS-PETEF-400	TS-PETEFEL-400	400	0,03	0,005	280	3,1	2 to 10
TS-PETEF-450	TS-PETEFEL-450	450	0,03	0,004	360	3,6	2 to 10
TS-PETEF-500	TS-PETEFEL-500	500	0,02	0,003	400	4,1	2 to 10
TS-PETEF-600	TS-PETEFEL-600	600	0,02	0,002	480	5,1	2 to 10
TS-PETEF-700	TS-PETEFEL-700	700	0,01	0,002	560	6	2 to 10
TS-PETEF-800	TS-PETEFEL-800	800	0,01	0,001	640	6,9	2 to 10
TS-PETEF-900	TS-PETEFEL-900	900	0,01	0,001	720	7,8	2 to 10