

Chemically resistant hoses



GRIPFLEX CSM (HYPALON)

Hose for extraction and transfer of aggressive fumes, exhaust fumes and air at elevated temperatures

- Hose material:** CSM coated polyester fabric (external black)
- Reinforcement:** CLIP type - external wire spiral and galvanised sheet steel, left-hand (optional stainless steel)
- Operating temperature:** -35°C÷ +175°C (temporarily +190°C)

Lightweight, highly flexible and flexible, chemically resistant and flame-retardant hose for use in air conditioning, ventilation and heating systems. For extraction and transfer of hot air, chemically aggressive vapours, fumes and gases in ventilation and heating systems. Resistant to UV, ozone and atmospheric conditions. Used in vehicle equipment, engines and the chemical industry. Characterised by high compressibility - up to 1:6, strong construction resistant to vibrations and stretching, injury resistance due to the external spiral. Also available with stainless steel spiral (from 80 mm diameter). Hose assembly with bridge ties (left-handed).

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

CSM - chlorosulphonated polyethylene - a polyethylene-based synthetic rubber with particularly good resistance to oxygen, ozone, most chemicals and water. Resistant to weathering, UV and elevated temperatures. Not recommended for fuels and oils. Widely used in automotive, construction and industrial applications for high quality and durable products. First introduced to the market by DuPont (Hypalon®).

index	inside diameter [mm].	working pressure 23°C [bar].	vacuum 23°C [bar].	bend radius [mm].	approximate mass [kg/m]	Standard length [m]
TS-HYPALON-050	50	0,9	0,4	30	0,4	2 to 10
TS-HYPALON-060	60	0,78	0,278	36	0,5	2 to 10
TS-HYPALON-065	65	0,68	0,237	39	0,5	2 to 10
TS-HYPALON-070	70	0,67	0,204	42	0,5	2 to 10
TS-HYPALON-075	75	0,62	0,178	45	0,6	2 to 10
TS-HYPALON-080	80	0,61	0,156	48	0,6	2 to 10
TS-HYPALON-090	90	0,56	0,123	54	0,6	2 to 10
TS-HYPALON-100	100	0,51	0,1	60	0,6	2 to 10
TS-HYPALON-110	110	0,48	0,083	66	0,7	2 to 10
TS-HYPALON-120	120	0,36	0,07	72	0,7	2 to 10
TS-HYPALON-125	125	0,33	0,064	75	0,8	2 to 10
TS-HYPALON-130	130	0,28	0,059	78	0,8	2 to 10
TS-HYPALON-140	140	0,25	0,051	84	0,8	2 to 10
TS-HYPALON-150	150	0,22	0,044	90	0,9	2 to 10
TS-HYPALON-160	160	0,21	0,039	96	0,9	2 to 10
TS-HYPALON-165	165	0,2	0,037	99	0,9	2 to 10
TS-HYPALON-170	170	0,19	0,035	102	0,9	2 to 10
TS-HYPALON-175	175	0,185	0,033	105	1	2 to 10
TS-HYPALON-180	180	0,172	0,031	108	1	2 to 10
TS-HYPALON-200	200	0,148	0,025	120	1,2	2 to 10
TS-HYPALON-215	215	0,128	0,022	129	1,3	2 to 10
TS-HYPALON-225	225	0,115	0,02	135	1,4	2 to 10
TS-HYPALON-250	250	0,1	0,016	175	1,6	2 to 10
TS-HYPALON-275	275	0,08	0,013	193	1,9	2 to 10
TS-HYPALON-300	300	0,07	0,011	210	2,1	2 to 10
TS-HYPALON-315	315	0,062	0,01	221	2,1	2 to 10
TS-HYPALON-325	325	0,059	0,01	228	2,2	2 to 10
TS-HYPALON-350	350	0,056	0,008	245	2,5	2 to 10
TS-HYPALON-375	375	0,05	0,007	263	2,9	2 to 10
TS-HYPALON-400	400	0,047	0,006	280	3,1	2 to 10
TS-HYPALON-450	450	0,045	0,005	360	3,6	2 to 10
TS-HYPALON-500	500	0,043	0,004	400	4,1	2 to 10
TS-HYPALON-600	600	0,039	0,003	480	5,1	2 to 10
TS-HYPALON-700	700	0,031	0,002	560	6	2 to 10
TS-HYPALON-800	800	0,022	0,002	640	6,9	2 to 10
TS-HYPALON-900	900	0,016	0,001	720	7,8	2 to 10