

FLATFLEX/PU HOSE TOW 18/10 bar

HOSES › Flattenable tubes



Mastertubi.it/q?1339

Flat flexible hose entirely in high quality extruded TPU

- SPECIALLY DESIGNED FOR TRAVELING SPRINKLERS
- EXTREMELY LOW FRICTION LOSSES
- SUPERIOR BEND RADIUS AND RESISTANCE TO EQUIPMENT
- FOR EXTREME UV AND OZONE CONDITIONS

Applications:

designed and recommended as a drag pipe for sewage transfer, irrigation lines, supply of mobile sprinklers, transport of pressurized sludge, transport of compatible fluids (see chemical resistance table), brackish and sea water and transport of waste water .

Construction:

made of 100% high tenacity synthetic yarn circularly braided, completely protected and blocked by a high resistance thermoplastic polyurethane extruded with the weft, forming a single homogeneous structure without the use of glues or adhesives. Its construction does not allow corrosion or encrustations, while providing high resistance to abrasion and cuts. Easy to handle, store and transport, both quick to install and recover. Maximum hose elongation of 2% and maximum hose expansion of 10%.

Coating Properties:

- A.** Maximum tensile strength of the coating: minimum guaranteed value of 40 MPa (5,800 psi).
- B.** Final elongation: minimum 500%.

Abrasion resistance:

increases the life of your application in extreme conditions, where abrasion is the primary concern. Thermoplastic polyurethane is considered the most abrasion resistant elastomeric material.

Service temperature range:

From -50° to 65°, with peaks up to 80°. Special versions for higher and lower temperatures available on request.

Ozone resistance:

no visible signs of cracking will appear due to the ozone. Excellent resistance to atmospheric agents and UV rays.

Chemical resistance:

excellent at exposure to seawater and contamination by most chemicals, hydrocarbons, oils and greases has no effect on the short or long term performance of the hose. A chemical resistance table with specific data is available upon request.

Packaging: standard lengths in 100m and 200m. Longer lengths may be available upon request.

Suitable connections: Camlock, Bauer, Perrot, Victaulic, Storz, etc.

Part Number	Nominal Inner Diameter		Wall Thickness		Working Pressure		Burst Pressure		Tensile Strength		Nominal Weight		Bend Radius at WP	
	mm	inch	mm	inch	bar	psi	bar	psi	kg	lb	kg/m	lb/ft	m	ft
F556210A	102	4	3.5	0.14	17	245	42	605	13,100	28,900	1.30	0.87	1.75	5.74
F556215A	115	4 ½	3.7	0.15	14	200	35	505	18,000	39,700	1.60	1.08	1.80	5.91
F556220A	127	5	3.7	0.15	14	200	35	505	18,000	39,700	1.70	1.14	1.90	6.23
F556225A	140	5 ½	3.7	0.15	12	175	30	435	20,000	44,100	1.90	1.28	1.95	6.40
F556230A	152	6	3.8	0.15	12	175	30	435	25,000	55,100	2.05	1.38	2.00	6.56
F556231A	178	7	4.6	0.18	11	160	28	405	33,600	74,100	2.90	1.95	2.05	6.73

The actual diameter of these hoses may differ slightly from the nominal diameter specified in this chart to make sure that they can be properly assembled with the couplings. For diameter tolerance questions please contact your distributor or directly to TIPSA.