



## Industry

General Lay-flat Hose



**Superman High Volume Transfer (HVT) is our market-leading all-purpose hose for fluid transfer. Not only is Superman HVT designed for higher working pressures when transporting fluids, the hose is also heavily reinforced with exceptional resistance to abrasion and cutting. This is a hose you can rely on for a lifetime.**

Superman HVT is easy to deploy and is designed to be maintenance-free, providing you with an ideal solution for fluid transfer systems, either temporarily or as a permanent setup.

## Key Features

- Transfer at higher than normal working pressures
- Lightweight and easy to deploy
- Ultimate abrasion and puncture resistance
- High diameter and extension stability
- Minimum snaking of pressurized hose
- Operating temperature from -50°C to +75°C (-58°F to +167°F) for pure water.

## Design

- Thermoplastic polyether based polyurethane (TPU).
- State of the art "through the weave" extrusion technology.
- Heavily reinforced and stabilized weave, using high tenacity polyester filament yarns.
- Excellent adhesion between cover/lining and the weave.

## Advantages

- Full diameter recovery after pressure release.
- Excellent hydrolysis and fungus resistance.
- Resistance to a wide range of chemicals.
- Excellent UV, Ozone and weathering resistance.
- Leak proof tested section lengths up to 200 mts.



## Superman HVT (Technical data)

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Inner diameter		Wall Thickness		Weight		Burst Pressure		Tensile Strength	
Inch	mm	Inch	mm	Lbs / ft	Kg / m	Psi	Bar	X 1000 lbs	Tons
5"	127 + 2.5	0.14	3.5	1.07	1.60	650	45	34.8	15.8
6"	152 + 3.0	0.15	3.7	1.34	2.00	650	45	44.0	21.0
7"	178 + 3.0	0.16	4.0	1.61	2.40	650	45	70.0	31.8
8"	203 + 3.0	0.17	4.2	2.15	3.20	610	42	81.5	37.0
10"	254 + 5.0	0.17	4.3	2.73	4.10	520	36	101.2	46.0
12"	305 + 5.0	0.18	4.5	3.38	5.05	435	30	120.0	54.5

**NOTE:** Minimum safety factor bp/wp is 2:1 (50%) for all non-hazard and/or non-flammable liquids.

For questions about chemical resistance please check DOWNLOADS - Chemical Resistance or contact your local distributor or contact sales@mandals.com

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