



# UHMWPE Chemical Suction & Delivery Hose

UHMWPE is an acronym for Ultra High Molecular Weight Poly Ethylene.

UHMWPE hoses have increasingly superseded XLPE (Cross Linked Poly Ethylene) lined hoses as the UHMWPE liner is suitable for food grade products (non-taint, non-odour and non-toxic) and high alcohol content liquids as well as offering exceptional resistance to aggressive industrial chemicals such as acids, alkalis, caustics and organic solvents.

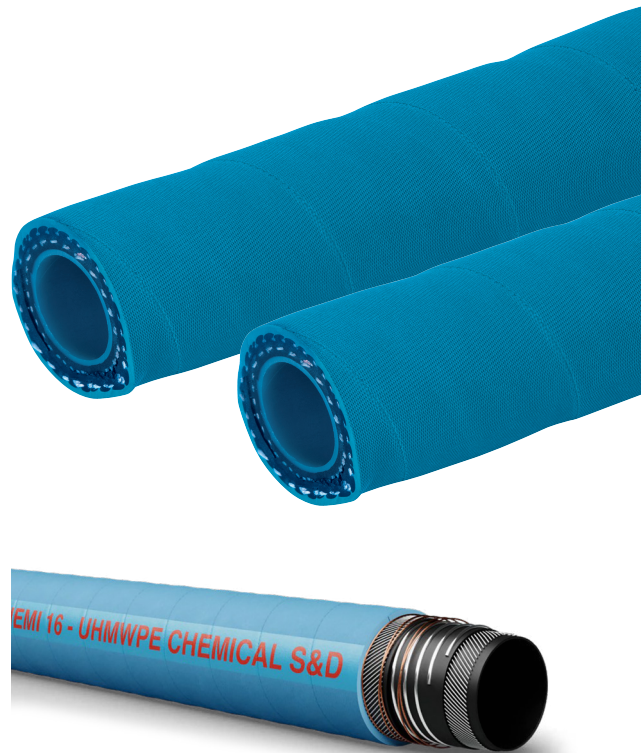
UHMWPE has a low co-efficient of friction and offers excellent wear and abrasion resistance making it suitable for chemical slurries or sludge.


UHMWPE is also more flexible than XLPE making it an easier product to bend and manipulate in application and it offers better coupling retention for safer use.

UHMWPE features a twin steel helix which gives a full vacuum rating for suction applications and makes the hose easier to bend in tight areas.

It also features anti-static copper wires that can be used to earth the hose and dissipate any potential static electricity. Essential in chemical & solvent transfer applications.

The cover is a non-marking EPDM compound which offers exceptional resistance to external chemical attack, heat, UV and ozone.



 **Temperature Range:**  
-30°C to +90°C

 **Working Pressure:**  
16 bar

Part Number	ID inch	ID mm	OD mm	Max Working Pressure bar	Burst Pressure bar	Bend Radius mm	Vacuum m.H2O	Coil Length mtrs **
XLPECS DH-13-**	1/2"	12.7	24	16	64	100	0.8	40 / 10
XLPECS DH-19-**	3/4"	19	31	16	64	152	0.8	40 / 10
XLPECS DH-25-**	1"	25	37	16	64	200	0.8	40 / 10
XLPECS DH-32-**	1.1/4"	32	44	16	64	256	0.8	40 / 10
XLPECS DH-38-**	1.1/2"	38	51	16	64	304	0.8	40 / 10
XLPECS DH-51-**	2"	51	67	16	64	408	0.8	40 / 10

**Temperature Range:**  
-30°C to +90°C

**Tube:**  
Food grade FDA UHMWPE liner suitable for a wide range of corrosive chemicals and solvents.

**Reinforcement:**  
Synthetic textiles. Twin steel wire helix embedded between the layers. Two anti-static wire.

**Cover:**  
Blue, weather and ozone resistant EPDM rubber.

**Application:**  
For suction and discharges of all corrosive chemicals, especially high aromatic solvents.

**Specification:**  
ISO 1307