

PTFE PLAIN HOSE ▾



Construction: Sintered tube of Polytetrafluoroethylene (P.T.F.E) with single braid of 304 series of stainless steel wire.

Properties & Application: PTFE plain hose has excellent temperature characteristics for both high and low temperature (-54°C to +200°C). Excellent chemical resistance, non contamination properties, low co-efficient of friction and resists deterioration. Therefore the hose is generally used where above mentioned properties are main criteria such as chemical industries, gas industries, pharmaceutical industries etc.

Inner Tube

Sintered tube of Polytetrafluoroethylene (P.T.F.E)

Cover

Single braid of 304 series of stainless steel wire

Temp. Range

-65°F to +392°F (-54°C to +200°C)

Hose I.D		Working Pressure		Burst Pressure		Bend Radius
Inch	mm	psi	bar	psi	bar	mm
1/8	3.35	3620	225	13040	1000	40
3/16	4.83	3000	210	12000	840	50
1/4	6.48	3000	210	12000	840	75
5/16	8	2500	175	10000	700	100
3/8	9.65	2400	165	9600	660	125
1/2	12.83	1750	120	7000	480	165
5/8	16	1270	88	5080	352	200
3/4	19.18	1100	75	4400	300	230
7/8	22.23	900	62	3600	248	230
1	25.53	900	62	3600	248	300
1.1/8	28.58	630	44	2520	176	410

PTFE CONVOLUTED HOSE ▾



Construction: Helically convoluted sintered tube of Polytetrafluoroethylene (P.T.F.E) with single braid of 304/316 series of stainless steel wire.

Application: PTFE Convoluted hose has excellent temperature resistance for both high and low temperature (-54°C to +260°C). Excellent chemical resistance, non contamination properties, low co-efficient of friction and resists deterioration. Therefore the hose is generally used where all or one of the above properties are main criteria in automotive, chemical, pharmaceutical and food processing, plastic and rubber moulding machines. Also for some application the tube can be made conductive to dissipate electro-static charges.

Inner Tube

Helically convoluted Sintered tube of Polytetrafluoroethylene (P.T.F.E)

Cover

Single braid of 304 series of stainless steel wire

Temp. Range

-65°F to +500°F (-54°C to +260°C)

Hose I.D		Working Pressure		Burst Pressure		Bend Radius
Inch	mm	psi	bar	psi	bar	mm
1/4	6.6	2500	175	10000	700	20
5/16	8.18	2300	160	9200	640	20
3/8	9.56	2200	150	8800	600	20
1/2	12.83	1960	135	7840	540	25
5/8	16	1450	100	5800	400	50
3/4	19.18	1160	80	4640	320	65
7/8	22.23	870	60	3480	240	80
7/8	22.23	870	60	3480	240	80
1	25.53	800	55	3600	220	90
1.1/4	31.88	665	45	2660	180	110
1.1/2	38.23	510	35	2040	140	150
2	50.93	365	25	1460	100	200

PTFE GAS HOSE ▾



Construction: Sintered tube of Polytetrafluoroethylene (P.T.F.E) with single or double braid of 304 series of stainless steel wire.

Properties & Application: PTFE plain hose has excellent temperature characteristics for both high and low temperature (-54°C to +200°C). Excellent chemical resistance, non contamination properties, low co-efficient of friction and resists deterioration. Therefore the hoses are used to transfer of various gases such as Oxygen, Co2, Nitrogen and other industrial gases.

Inner Tube

Sintered tube of Polytetrafluoroethylene (P.T.F.E)

Cover

single braid of 304 series of stainless steel wire

Temp. Range

-65°F to +392°F (-54°C to +200°C)

Hose I.D		Working Pressure		Burst Pressure		Bend Radius
Inch	mm	psi	bar	psi	bar	mm
1/8	3.35	3620	225	13040	1000	40
3/16	4.83	3000	210	12000	840	50
1/4	6.48	3000	210	12000	840	75
5/16	8	2500	175	10000	700	100
3/8	9.65	2400	165	9600	660	125
1/2	12.83	1750	120	7000	480	165
5/8	16	1270	88	5080	352	200
3/4	19.18	1100	75	4400	300	230
7/8	22.23	900	62	3600	248	230
1	25.53	900	62	3600	248	300
1.1/8	28.58	630	44	2520	176	410

PTFE hoses are a versatile and essential component in various industries, including Bangalore, where **PTFE hose manufacturers** play a significant role in meeting the demand for high-quality hoses. These hoses are designed to meet the specific needs of different applications, offering exceptional properties and versatility. Let's explore these hoses in greater detail, focusing on PTFE hoses in Bangalore, PTFE lined hoses in Bangalore, and PTFE Gas hoses in Bangalore.

PTFE Plain Hose

PTFE plain hoses are crafted from a sintered tube of Polytetrafluoroethylene (P.T.F.E) with a single braid of 304 series stainless steel wire. These hoses excel in temperature resistance, functioning seamlessly in high- and low-temperature environments, ranging from -54°C to +200°C. The key attributes of PTFE plain hoses are:

- Their excellent chemical resistance.
- Non-contamination properties.
- Low coefficient of friction.
- Resistance to deterioration.

In Bangalore, PTFE plain hoses find extensive use in industries where these properties are crucial. These industries include chemical industries, gas industries, pharmaceutical industries, and many others.

PTFE Convoluted Hose

PTFE convoluted hoses are constructed using a helically convoluted sintered tube of Polytetrafluoroethylene (P.T.F.E) combined with a single braid of 304/316 series stainless steel wire. These hoses are renowned for their outstanding temperature resistance, functioning reliably in temperature ranges from -54°C to +260°C. Just like their plain counterparts, PTFE convoluted hoses offer excellent chemical resistance, non-contamination properties, low friction coefficient, and resistance to deterioration.

In Bangalore, PTFE convoluted hoses find application in a wide array of industries. These include the automotive sector, chemical industry, pharmaceutical sector, food processing, plastic and rubber moulding machines, and more. These are chosen when temperature resistance, chemical compatibility, or low friction are required. In some cases, the hoses can also be designed to dissipate electrostatic charges.

PTFE Gas Hose

PTFE Gas hoses in Bangalore from Flexotech are constructed using a sintered tube of Polytetrafluoroethylene (P.T.F.E) and may feature a single or double braid of 304 series stainless steel wire. They exhibit the same outstanding temperature characteristics as PTFE plain hoses, with a working range of -54°C to +200°C. These hoses are particularly suited for transferring Oxygen, CO2, Nitrogen, and other industrial gases. In Bangalore, where various industrial processes require the safe and efficient transport of gases, PTFE gas hoses are invaluable.

PTFE Hoses in Bangalore

PTFE hoses in Bangalore are in high demand due to the city's thriving industrial sector. PTFE manufacturers in Bangalore play a crucial role in meeting this demand. These hoses are integral to the smooth operation of numerous industries, ensuring the safe and efficient transfer of fluids, gases, and chemicals.

Whether it's PTFE plain hoses, PTFE convoluted hoses, or PTFE gas hoses, Bangalore's industries rely on these hoses to maintain high performance and safety standards. The city's **PTFE hose manufacturers** are dedicated to producing top-quality hoses that meet the specific requirements of various applications.

PTFE hoses in Bangalore are essential components in various industries, including PTFE plain hoses, PTFE convoluted hoses, and **PTFE Gas hoses in Bangalore**. These hoses offer exceptional temperature resistance, chemical compatibility, and other valuable properties, making them indispensable in the city's industrial landscape. **PTFE hose manufacturers in Bangalore** are key players in ensuring a steady supply of these hoses to meet the diverse needs of local industries.