

## 应用 APPLICATION

软管采用精心设计的“内平外波”结构，用以提高产品的流速和提高可清洁性。高强度级304不锈钢丝编织层位软管提供了最大的保护，防止内部压力和外部磨损。也可根据要求，使用316不锈钢丝编织层提供额外的耐腐蚀性能。

在需要防范聚四氟乙烯管的内表面有静电电荷积聚风险的应用中，使用Anti-Static（简称AS）级产品是至关重要的，这些静电电荷可以通过软管的管壁放电。对于处理以下工况是必不可少的：

- 双相或多相介质
- 非混合介质(例如，空气中的粉末，蒸汽中的水滴，气体或油)
- 胶体流体

静电的产生对上述工况条件对具有重大风险，因此在这些条件下总是需要AS级抗静电软管。

The hose uses a carefully designed "Inner plane and outer wave" structure to increase the flow rate and improve the cleanliness of the product. High strength grade 304 stainless steel wire braided layered hoses provide maximum protection against internal pressure and external wear. Additional corrosion resistance can also be provided on request using 316 stainless steel wire braids.

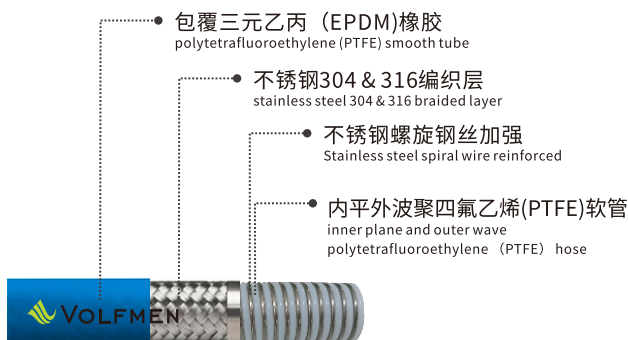
In applications where there is a risk of electrostatic charge building up on the inner surface of the polytetrafluoroethylene tube, the use of Anti-Static (AS) grade products is crucial, AS these electrostatic charges can be discharged through the tube wall. Essential for handling:

- two-phase or multiphase media
- non-mixed media (for example, powder in air, water droplets in steam, gas or oil)
- colloid fluid

The generation of static electricity has a significant risk to the above-mentioned operating conditions, so the AS-class antistatic hose is always required under these conditions.

## 结构 STRUCTURE

- 内层：内平外波聚四氟乙烯(PTFE)软管
- 增强层：不锈钢螺旋钢丝加强
- 中间层：不锈钢304 & 316 编织层
- 外层：包覆三元乙丙（EPDM）橡胶
- 导电系数  $R < 10^6 \Omega$
- Inner Layer: inner plane and outer wave polytetrafluoroethylene (PTFE) hose
- Reinforcement Layer: Stainless steel spiral wire reinforced
- Middle layer: stainless steel 304 & 316 braided layer
- Outer layer: coated with EPDM rubber
- The electrical conductivity  $R < 10^6 \Omega$ .

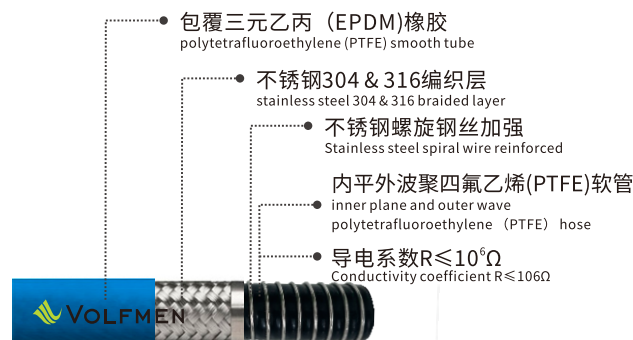


## 温度 TEMPERATURE

EPDM覆层软管使用温度范围：

-40°C 至 +150 °C

Temperature range of silicone coated hose: -40°C to +150°C.



| 内壁尺寸 |        | 编织层外径 |        | 最小弯曲半径 |        | 最大工作压力 |       | 最小爆破压力 |       | 单位重量    |         |
|------|--------|-------|--------|--------|--------|--------|-------|--------|-------|---------|---------|
| (mm) | (inch) | (mm)  | (inch) | (mm)   | (inch) | (psi)  | (bar) | (psi)  | (bar) | (lb/ft) | (Kg/Mt) |
| 6.4  | 1/4    | 11.6  | 0.456  | 19     | 3/4    | 1160   | 80    | 4641   | 440   | 0.10    | 0.16    |
| 8.0  | 5/16   | 13.1  | 0.515  | 19     | 3/4    | 1160   | 80    | 4641   | 420   | 0.12    | 0.19    |
| 9.5  | 3/8    | 15.8  | 0.625  | 25     | 1      | 1160   | 80    | 7200   | 500   | 0.14    | 0.22    |
| 12.7 | 1/2    | 19.7  | 0.775  | 38     | 1 1/5  | 1015   | 70    | 5800   | 400   | 0.25    | 0.37    |
| 15.9 | 5/8    | 23.0  | 0.910  | 51     | 2      | 940    | 65    | 5500   | 380   | 0.35    | 0.52    |
| 19.0 | 3/4    | 28.0  | 1.100  | 63     | 2 1/2  | 870    | 60    | 4350   | 300   | 0.42    | 0.65    |
| 25.4 | 1      | 36.4  | 1.430  | 100    | 4      | 720    | 50    | 2900   | 200   | 0.57    | 0.88    |
| 31.8 | 1 1/4  | 43.4  | 1.700  | 140    | 5 1/2  | 650    | 45    | 2600   | 180   | 0.85    | 1.30    |
| 38.0 | 1 1/2  | 51.8  | 2.040  | 171    | 6 1/4  | 580    | 40    | 2320   | 160   | 1.14    | 1.70    |
| 50.8 | 2      | 67.2  | 2.645  | 210    | 8 1/4  | 430    | 30    | 1750   | 120   | 1.58    | 2.36    |
| 63.5 | 2 1/2  | 78.7  | 3.100  | 304    | 12     | 290    | 20    | 1160   | 80    | 2.41    | 3.49    |