

VENAFLON HF TUBE

HOSES › Pipes for the pharmaceutical industry › SILICONE hoses for the pharmaceutical industry

Chemical resistant silicone hose with PFA inner layer compatible with highly aggressive chemical products.

Applications

It is particularly suitable for the transport of liquids or semi-liquids chemically aggressive by impulse or suction in industry food, cosmetics, chemicals and pharmaceuticals.

It has a wide range of application thanks to its construction, which provides a balance between strength and lightness.

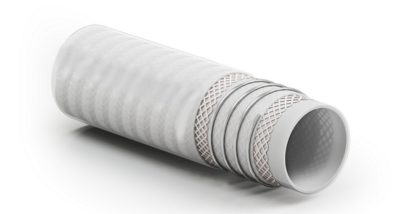
Property

- Odourless, tasteless and completely non-toxic.
- High flexibility.
- White and smooth appearance of the internal PFA layer, translucent and smooth appearance of the outer silicone layer.
- Can be equipped with 316L stainless steel fittings on each ends with a roughness value lower than 0.8 µm (or 0.5 µm on request).
- On request it can be equipped with Clamp fittings with internal PFA covering.
- Operating temperature range -30°C (-22F) to +150°C (302F).
- The hose is produced with a maximum length of 20 m (65.62 feet).
- Vacuum resistance is 0.9 bar (13.05 psi).


Construction This reference is manufactured with a white inner layer of PFA

(perfluoroalkoxy), the reinforcements are in polyester and the spiral is in stainless steel

(AISI 304) coated with silicone.



Mastertubi.it/q?1035

environment version  **with conductive PFA inner layer, black color certified for food and pharmaceutical use (see below).**

Characteristics

- External layer in VMQ Silicone, smooth and translucent.
- Reinforcement Stainless steel wire spring and polyester fabric reinforcement.
- Internal layer PFA fluoropolymer, smooth and white.
- Temperature -30°C +150°C
- Production length 20m. Can be cut upon request.
- Vacuum pressure 0.9 bar (13.05 psi).

Regulations

The inner layer of PFA complies with :

- US FDA Standard 21 CFR 177.1550
- USP Class VI in vivo test - USP Class VI in vitro test
- ISO 10993-5, 10 and 11 - Reg 1935/2004 / EEC and Reg 10/2011 / EEC

The outer silicone layer complies with :

- US FDA Standard 21 CFR 177.2600
- USP Class VI in vivo tests
- USP Class VI in vitro test
- ISO 10993-5, 10 and 11
- European Pharmacopoeia 3.1.9

DIAMETER INTERNAL mm	WALL THICKNESS ISO 1307 +/- 0.80mm	OPERATING PRESSURE ISO 1402 Bar at 20°C	RADIUS OF CURVATURE mm
10	6	10	40
13	6	10	45
16	6	10	55
19	6	10	65
25	6	10	85
32	6	10	120
38	6.5	10	140
51	8	10	180
63.5	8	5	320
76	8	5	380
100	9	3	500