Technical Datasheet

Vena® SIL 630

Ref: DO 03.10 FT 271. Rev. 07
Date: 27/11/2017

Applications

It is especially recommended for the transport of liquid or semi-liquid fluids in the food, cosmetic, chemical and pharmaceutical industries. It offers an extremely broad field of applications.
It is recommended especially when the inner liquid has to be seen to control the flow.

Limitations

Respect the bending radius and work pressure established values.

Mind the chemical compatibility of the fluid with the silicone.

This product is not recommended for the transport of abrasive particles

Regulations

Platinum cured silicone produced in compliance with:

- US FDA Standard 21 CFR 177.2600
- German BfR Standard part XV
- USP Class VI <88> in vivo tests, 121ºC
- ISO 10993-4, 5, 6 & 10
- ResAp 2004 (5), according to Reg 1935/2004/EEC, and Reg 10/2011/EEC
- European Pharmacopoeia 3.1.9

Silicone rubber used is in accordance with EU Directive 2002/95/ECC for Restriction of the use of hazardous substances (RoHS)

Properties

- Odorless, tasteless and completely non-toxic.
- Translucent and smooth inner and outer appearance.
- High level of transparency.
- Can be equipped with 316L stainless steel fittings on each end with a roughness value of less than 0.8 μm (or 0.5 μm on request).
- Operational temperature range from -60ºC (-75ºF) to +200ºC (392ºF), it may reach up to +220ºC (428ºF) during short periods of time.

Construction

This reference is manufactured with VMQ (Vinyl-Methyl quality) silicone and stainless steel wire spring encased inside the hose.

Technical Specifications

Inner Diameter		Wall thickness		Working Pressure ISO 1402/2009		Bursting Pressure ISO 1402/2009		Bending Radius ISO 1746/2000	
mm	*inch*	*+1/ -0.5 mm*	*+0.04/ -0.02 inch*	*Bar at 20ºC*	*Psi at 68ºF*	*Bar at 20ºC*	*Psi at 68ºF*	*mm*	*ft*
10	25/64	5.70	0.22	9.86	143.00	29.58	429,02	16.03	0,053
13	½	5.70	0.22	8.40	121.83	25.2	365.49	25.04	0,083
19	¾	5.70	0.22	6.66	95.72	19.99	289.93	43.07	0,15
25	1	5.70	0.22	5.63	81.65	16.90	245.11	61.10	0,21
32	1 ¼	5.70	0.22	4.84	70.19	14.53	210.73	82.13	0.27
38	1 ½	5.70	0.22	4.36	63.23	13.08	189.70	112.00	0.54
51	2	5.70	0.22	3.64	52.79	10.92	158.38	139.22	0.37
55	2 11/64	5.70	0.22	3.47	50.32	10.41	150,98	151.24	0.50
63	2 ½	5.70	0.22	3.20	46.41	9.60	139.23	175.27	0.58
76	3	5.70	0.22	2.85	41.33	8.56	124.15	214.33	0.71
102	4	5.70	0.22	2.38	34.51	7.15	103.70	292.45	0.96

The working pressure of this hose is computed so that at working conditions the enlargement of the hose is about a 20% of the original length.