Technical Datasheet

Vena® SIL 640

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Limitations

Respect the 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, 121°C
- 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
- 3A Sanitary Standard 18-03 Class I (material)
- 3A Sanitary Standard 62-02 Class I (fitted hose)

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

Applications

It is specially recommended for the transport of liquid or semi-liquid fluids in the food, cosmetic, chemical and pharmaceutical industries. For use in straight sections equipped with metal fittings terminals, where flexibility is not required. This model is used often to detect metal particles which may occur during filling of food products such as cream or baby food.

Properties

- Odorless, tasteless and completely non-toxic.
- Translucent and smooth inner appearance, white or colored and smooth outer appearance.
- 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 (-76ºF) to +180ºC (356ºF), it may reach up to +200ºC (392ºF) during short periods of time.
- The standard manufacturing length is 4 meters long (13.12 ft.), but in specific diameters a length of 6 meters (19.69 ft) can be manufactured.

Construction

- This reference is manufactured with four polyester fabric reinforcements.

Technical Specifications



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Inner Diameter		Wall thickness		Working Pressure ISO 1402/2009		Bursting Pressure ISO 1402/2009	
mm	*inch*	*+1/ -0.5 mm*	*+0.04/ -0.02 inch*	*Bar at 20ºC*	*Psi at 68ºF*	*Bar at 20ºC*	*Psi at 68ºF*
6	1/4	4.5	0.18	11.7	169	35.0	508
8	5/16	4.5	0.18	10.7	155	32.0	464
10	3/8	4.5	0.18	9.7	140	29.0	421
13	1/2	4.5	0.18	8.7	126	26.0	377
16	5/8	4.5	0.18	8.0	116	24.0	348
19	3/4	4.5	0.18	7.7	111	23.0	334
22	7/8	4.5	0.18	7.0	102	21.0	305
25	1	4.5	0.18	6.7	97	20.0	290
32	1 1/4	4.5	0.18	5.7	82	17.0	247
38	1 1/2	4.5	0.18	5.0	73	15.0	218
51	2	4.5	0.18	4.0	58	12.0	174
63	2 1/2	4.5	0.18	3.3	48	10.0	145
76	3	4.5	0.18	2.7	39	8.0	116
102	4	4.5	0.18	1.7	24	5.0	73