Technical Datasheet

Vena® BLUE

Ref: DO 03.10 FT 176. Rev. 04
Date: 29/01/2015

Limitations

Respect the work pressure established values.

Mind the chemical compatibility of the fluid with EPDM rubber

These hose it is not recommended to work in vacuum.

Regulations

EPDM rubber produced in compliance with:

- US FDA Standard 21 CFR 177.2600.
- German BfR Standard part XXI Cat 2.
- ResAp 2004 (5), according to Reg 1935/2004/EEC, and Reg 10/2011/EEC.
- 3A Sanitary Standard 18-03 Class III (hose).

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

Applications

It is especially recommended for the transport of liquid or semi-liquid food products (milk, chocolate, mineral water, beer, alcoholic drinks, fruit juice, oil, cosmetic cream etc…). It is specially recommended to loading and unloading tank trucks.
These hose have no spiral reinforcement, therefore they are able to support the crushing by vehicles.

Properties

- Odorless, tasteless and completely non-toxic.
- White color and smooth inner appearance, blue 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 -30°C (-22 F) to +90°C (194 F) it may reach up to +130°C (266 F) for sterilization.
- Available at a maximum length of 40m (131.23 ft).
- The bending radius depends on the inner pressure.

Use Precautions

The extreme working conditions or the use of materials with low compatibility with the silicone can attack the inner surface of the hose. It is advisable to inspect the inner appearance for cracks or swelling, and replacement of the hose, if necessary.

Hose cover: Should be inspected over the entire length for signs of hardening, abrasion, cuts, kinking or crushing.

Construction

This product is manufactured with inner white EPDM food quality rubber and outer blue EPDM cover; it is equipped with textile reinforcements inside the wall of the tube.

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Technical Specifications

Inner Diameter		Outer Diameter		Working Pressure ISO 1402/2009		Bursting Pressure ISO 1402/2009	
±0.5 mm	*±0.02 inch*	*+1/ -0.5 mm*	*+0.04/ -0.02 inch*	*Bar at 20ºC*	*Psi at 68ºF*	*Bar at 20ºC*	*Psi at 68ºF*
19	3/4	30	1.18	10	145.04	30	435.11
25	1	36	1.42	10	145.04	30	435.11
32	1 1/4	43	1.69	10	145.04	30	435.11
38	1 1/2	49	1.93	10	145.04	30	435.11
51	2	63	2.48	10	145.04	30	435.11
63	2 1/2	75	2.95	10	145.04	30	435.11
76	3	89	3.5	10	145.04	30	435.11
102	4	116	4.57	10	145.04	30	435.11