



VENA® PROCESS

The Vena Process is ideal for transporting liquid or semi-liquid food and cosmetic products

Vena® Process is particularly recommended for transporting liquid or semi-liquid food and cosmetic products, such as milk, chocolate, mineral water, beer, alcoholic beverages, fruit juice, and cosmetic creams. However, it is not suitable for applications involving the transportation of fatty foods and oils.

VENA® PROCESS

PROPERTIES

- White color and smooth inner appearance, made from food-grade EPDM synthetic rubber.
- Grey color and smooth outer appearance.
- Good flexibility and anti-twist properties.
- Weather resistance and antifouling.
- Reinforced by synthetic textile with embedded steel helix.
- Operational temperature ranges from -40°C (-40° F) to +120°C (248° F). It can be sterilized at +130°C (266° F) for a maximum time of 30min.
- Can be equipped with 316L stainless steel fittings on each end with a roughness value of less than 0.8 µm. The roughness value can be reduced to 0.375 µm under request.
- Available at a maximum length of 40m (131.23ft).
- Vacuum resistance: 0.9 bar (13,05 psi).

USE PRECAUTIONS

Extreme work conditions or the use of materials with low compatibility with EPDM 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 grey EPDM cover; it is equipped with textile reinforcements inside the wall of the tube and, in inner diameter equal or greater than 25.4mm, a stainless-steel wire spire between layers.

LIMITATIONS

- Respect the work pressure established values.
- Mind the chemical compatibility of the fluid with EPDM rubber.

REGULATIONS

EPDM rubber produced in compliance with:

- US FDA Standard 21 CFR 177.2600. Rubber articles intended for repeated use.
- ResAp 2004 (5), according to Reg 1935/2004/EEC, and Reg 10/2011/EEC
- This reference is in accordance with the RoHS Directive 2002/95/EC and its subsequent amendments including the RoHS2 Directive 2011/65/EU and RoHS3 Directive 2015/863.

INNER DIAMETER		OUTSIDE DIAMETER		WORKING PRESSURE ISO 1402		BURSTING PRESSURE ISO 1402		BENDING RADIUS ISO 10619-1	
mm	inch	mm	inch	bar at 20°C	psi at 68°F	bar at 20°C	psi at 68°F	mm	inch
15.9	5/8	25.0	0.98	10	145	30	435	55	2.17
19.0	3/4	30.0	1.18	10	145	30	435	65	2.56
25.4	1	37.0	1.46	10	145	30	435	90	3.54
31.8	1 1/4	44.5	1.75	10	145	30	435	110	4.33
38.0	1 1/2	52.0	2.05	10	145	30	435	135	5.31
50.8	2	66.0	2.59	10	145	30	435	180	7.09
63.5	2 1/2	79.5	3.13	10	145	30	435	220	8.66
76.2	3	92.0	3.62	10	145	30	435	270	10.63
89.0	3 1/2	106.0	4.17	10	145	30	435	315	12.40
101.6	4	118.6	4.67	10	145	30	435	360	14.17

CONTACT



IMPORTANT: The Company reserves the right to change, amend, modify, suspend, continue or terminate all or any part of this Document at any time without notice. It is the user's responsibility to ensure the suitability and safety of the VENAIR products for all intended uses. All the tests must be conducted in accordance with applicable regulatory requirements in order to determine the safety and effectiveness for use of the hoses in any particular application.

Vena, Venair and the Venair logo are trademarks of Venair Ibérica SAU

Copyright 2024|Venair Group|All Rights Reserved