VENA® ABRASIL CLEAR

Vena® Abrasil Clear is an EPDM based material specially developed for suctions and transport in food and pharma industries.

Generally acceptable for pneumatic transport of non-flammable bulk materials and suction of all types of abrasive particles. Also recommended for the chemical industry.
It is specially recommended when abrasive particles are being transferred and flexibility is an important requirement. Translucent appearance for better flow control.

PROPERTIES

- Odorless, tasteless, and completely non-toxic
- Smooth inner and outer appearance
- High abrasion resistance
- Can be equipped with 316L stainless steel fittings on each end with roughness value of less than 0.8 µm (smaller roughness is possible on request)
- Operational temperature range from -40°C (-40 F) to +150°C (302 F)
- Standard manufacturing length is 6 meters long (19.69 ft.)
- Compatible with CIP and SIP cleaning processes
- Loss of volume of 50mm^3. Tested in accordance with ISO 4649:2010 (E)

CONSTRUCTION

This product is manufactured with one polyester fabric reinforcement and stainless steel and copper wire springs to ease electric discharge. All encased inside the hose.

LIMITATIONS

Respect the bending radius and work pressure established values. High temperatures may affect the bursting and working pressure values.

The hose should be inspected over the entire length for signs of hardening, abrasion, cuts, kinking, crushing, cracks, scratches, breaks or tears. It's recommendable to perform this check before each use. These faults require the affected hose to be replaced.

REGULATIONS

Vena® Abrasil Clear in accordance with:

- US FDA Standard 21 CFR 177.2600
- USP Class VI <88>, in vivo test

This hose 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.
European Regulation (EU) No. 10/2011, Regulation (EU) No. 2016/1416 and Regulation (EU) No. 2020/1245, as well as in Regulation (EU) No 1935/2004, all as amended, with simulants A (10% ethanol) and simulant B (3% Acetic acid aqueous solution).

TECHNICAL SPECIFICATIONS

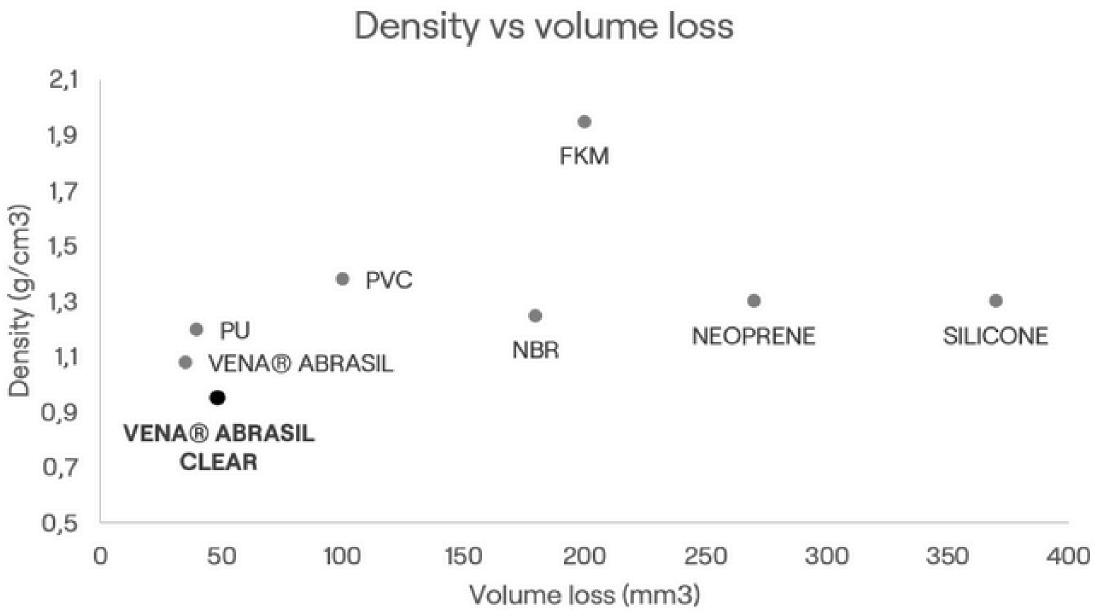
Inner Diameter		Wall Thickness		Working pressure ISO 1402		Bursting pressure ISO 1402		Bending radius ISO 10619-1	
mm	inch	+1.50/-1.50 mm	+0.06/ - 0.06 inch	Bar at 23°C	Psi at 73.4°F	Bar at 23°C	Psi at 73.4°F	mm	inch
6	1/4	4.50	0.18	9.03	131.04	27.10	393.13	50.38	1.98
8	5/16	4.50	0.18	8.33	120.81	24.99	362.42	59.24	2.33
10	3/8	4.50	0.18	7.78	112.87	23.35	338.61	67.99	2.68
13	1/2	4.50	0.18	7.14	103.54	21.42	310.61	80.93	3.19
16	5/8	4.50	0.18	6.63	96.15	19.89	288.44	93.63	3.69
19	3/4	4.50	0.18	6.21	90.03	18.62	270.10	106.10	4.18
22	7/8	4.50	0.18	5.85	84.82	17.54	254.46	118.34	4.66
25	1	4.50	0.18	5.58	80.99	16.75	242.98	130.34	5.13
32	1 1/4	4.50	0.18	5.23	75.87	15.69	227.61	157.44	6.20
38	1 1/2	4.50	0.18	4.93	71.48	14.78	214.44	179.66	7.07
51	2	4.50	0.18	4.27	61.96	12.82	185.89	224.60	8.84
63	2 1/2	4.50	0.18	3.67	53.18	11.00	159.55	262.19	10.32
76	3	4.50	0.18	3.01	43.67	9.03	131.00	298.71	11.76
102	4	4.50	0.18	1.70	24.64	5.10	73.91	358.60	14.12

CLEANING CONDITIONS

	Vena® Abrasil Clear
HOT WATER	Up to 95°C
STEAM	Up to 130°C-30´
CAUSTIC SODA	Up to 3% - 80°C
NITRIC ACID	Up to 1% - 23°C
PERACETIC ACID	Up to 1% - 23°C

ADDICIONAL INFORMATION

The graph below represents volume loss when applying 5N according to ISO 4649:2010 (E)



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.

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