



Applications

It is especially recommended for the transport of milk and by-products and generally liquid fatty foodstuffs. It offers an extremely broad field of applications. The design ensures a high-strength hose structure, making it ideal for unloading operations of milk and milk products and generally for heavy-duty applications.

Properties

- Odorless, tasteless and completely non-toxic.
- White color and smooth inner appearance, green 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 ranges from -20°C (-4°F) to +90°C (194°F), it may reach up to +130°C (266°F) for a maximum time of 30 minutes.
- Available at a maximum length of 40m (131.23 ft).
- The vacuum resistance for this hose is 0.9 Bar (13.05 psi).
- Totally free from plasticizers (as phthalates) and animal derivatives.

Construction

This product is manufactured with inner NBR rubber and CR cover, it is equipped with plies of synthetic cord reinforcements inside the wall of the tube, with an embedded steel helix wire.

Limitations

Respect the bending radius and work pressure established values.

Mind the chemical compatibility of the fluid with the NBR.

Regulations

NBR rubber produced in compliance with:

- US FDA Standard 21 CFR 177.2600
- Reg 1935/2004/EEC, and Reg 10/2011/EEC

NBR rubber used is in accordance with EU Directive 2002/95/ECC for Restriction

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 20°C	Psi at 68°F	Bar at 20°C	Psi at 68°F	mm	inch
19	¾	6.00	0.24	10.00	145.04	30.0	435.11	80	3.15
25	1	6.00	0.24	10.00	145.04	30.0	435.11	120	4.73
32	1 ¼	6.00	0.24	10.00	145.04	30.0	435.11	150	5.91
38	1 ½	7.00	0.28	10.00	145.04	30.0	435.11	200	7.88
40	1 37/64	7.00	0.28	10.00	145.04	30.0	435.11	200	7.88
45	1 49/64	7.00	0.28	10.00	145.04	30.0	435.11	225	8.86
50	1 31/32	7.00	0.28	10.00	145.04	30.0	435.11	250	9.85
52	2 3/64	7.00	0.28	10.00	145.04	30.0	435.11	280	11.03
60	2 23/64	8.00	0.32	10.00	145.04	30.0	435.11	330	13.00
65	2 9/16	8.00	0.32	10.00	145.04	30.0	435.11	360	14.18
70	2 ¾	8.00	0.32	10.00	145.04	30.0	435.11	420	16.54
75	2 61/64	9.00	0.36	10.00	145.04	30.0	435.11	450	17.72
80	3 5/32	9.00	0.36	10.00	145.04	30.0	435.11	480	18.90
100	3 15/16	9.00	0.36	10.00	145.04	30.0	435.11	600	23.63

Use Precautions

- The extreme working conditions or the use of materials with low compatibility with the NBR rubber 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.