



### CONSTRUCTION

**Elastomer:**

Peroxides or Platinum Cured FDA silicone

**Textile reinforcement:**

Polyester

**Stainless steel inside:**

Stainless steel wire spring encased inside the hose

**Inner appearance:**

Translucent and smooth

**Outer appearance:**

Translucent, white or coloured

**Length of manufacture:** on request (6 mt)

### TEMPERATURE

The appropriate range of temperatures in which the tube works properly is between -60°C and 200°C (-76°F & 356°F)

### APPLICATIONS

High level of strength

Extremely flexible, even in large diameters. It has been designed for use in specific points with high dynamics and for a very frequent tube handling

### DIMENSIONS

Here as follow the diameters:

6-8-10-13-16-18-20-22-25-28-32-35-38-40-42-45-50-63-76-90-100-102 mm.

### PROPERTIES

Hoses can be sterilized by hot air at +250°C (+482°F) or by steam at +135°C (+275°F), with a pressure of 3.5bar.

Maximum recommended time: 1 hr30m. at +135°C (+275°F)

### VACUUM

- 684TORR mm/Hg

- 912TORR BAR

## FLEXIBLE SILICON TUBE

FOR THE FOOD, PHARMACEUTICAL, COSMETICS AND CHEMICAL INDUSTRIES

Inner Diameter (mm)	Outer Diameter (mm)	Bending Radius (bar)	Working Pressure (bar)	Burting Pressure (bar)
at 20° C				
6	15	62	16,60	50
8	17	65	14,30	43
10	18	69	12,80	38
13	22	75	11,20	34
16	25	82	10,00	30
18	25	87	9,40	28
20	29	92	8,90	27
22	31	98	8,50	26
25	34	107	8,00	24
28	37	116	7,50	23
32	41	131	7,00	21
35	44	143	6,70	20
38	47	155	6,40	19
40	49	165	6,30	19
42	51	175	6,10	18
45	54	190	5,90	18
50	59	220	5,60	17
51	61	227	5,50	17
63	72	321	4,80	14
76	85	468	3,90	12
90	99	702	3,00	9
100	109	937	2,30	7
102	111	945	2,10	7

Other diameter can be also produced.

The value of the pressure is at room temperature a reduction of the same by 20% every 100°C of temperature increase.

