CSKS - TECHNOSIL

CONSTRUCTION :

VMQ silicone hose (Vinyl Methyl Quality) in compliance with FDA 21 CFR 1772600 and BGA Class XV, manufactured upon request in silicone with platinum catalysis in compliance with USP Class VI (United State Pharmacopoeia)
Manufactured by extrusion with inner polyester fibre braiding, The hose enables operation under pressure. This hose may also be manufactured with NOMEX* fibre enabling to withstand high temperature
The translucent appearance of this hose enables the visualisation of the product flow, during the process phase.

Inner surface: Translucent or white and smooth.

Outer surface: Translucent, white or in color and smooth.

Reinforcement: Polyester fibers

Temperature: The recommended working temperatures is between -60ºC and 200ºC
(-76ºF & 356ºF)

Hardness: 60 shores ±5

Manufacturing Length: Standard length is 10 or 20 meters (on request, 50m length in some dimensions)

Application: For transporting liquids at low pressure where a closed bending radius is not required.
Ideal for use in proportioning and loading tanks in any length.
These hose compensate vibrations and level differences

The structure of the hose cannot withstand vacuum.

Dimension: 10m or 20m long (for specific diameters up to 50m long) in the following diameters:
6.35, 7.93, 9.52, 12.7, 15.87, 19.05, 22.22, 25.40, 31.75 mm.

Properties: These Hoses are usually translucent. However, in order to distinguish the products conveyed through the tube, they can also be manufactured so that the outer of the Hose is as per the desired color

Hoses can be sterilized with hot air at +250ºC (+482ºF) or steam at +135ºC (+275ºF), at 3.5bar.
Maximum recommended time: 1 hr 30m. at +135ºC (+275ºF)

Inner diameter mm	Wall Thickness mm	External diameter mm	Volume expansion at operating pressure	Operating pressure	Burst pressure	Bending radius mm	Weight per /meter (g/m)
	Tolerance ±0.50			*(bar) à 20°C / (bar) at 20°C			±5%
6,35	3.45	13,2	7,68%	9	28	40	109
7,93	3.55	15		7,5	23	45	145
9,52	3.55	16,6		7	21	55	185
12,7	3.8	20,3	7,42%	5	17	70	260
15,87	4.3	24,5		4	13	85	336
19,05	4.45	27,9	9,96%	3,5	11	95	410
22,22	4.55	31,3		3	10	110	486
25,4	4.55	34,5		3	9	135	562
31,75	4.8	40,8	14,43%	2	7	160	699

we can provide any other customized diameters (please fell free to contact us)
Reduce the specified pressure by 20% by 100°C-increment in temperature

The specifications or design are subject to change without prior notice.