



TUSIL® HIGH PURITY



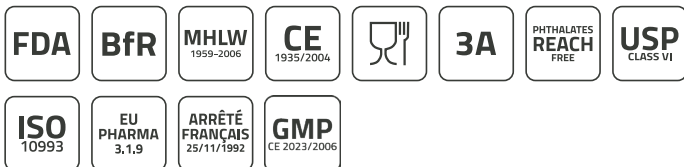
- SMOOTH, GLOSSY, TRANSLUCENT, HEAT RESISTANT SILICONE
- STAINLESS STEEL WIRE HELIX
- HIGH TEMPERATURE RESISTANT TEXTILES
- EXTRUDED TRANSLUCENT SILICONE

TECHNICAL CHARACTERISTICS

Temperature range : -60°C / +200°C (-76°F / +392°F)

The operating temperature of the hose is directly dependent upon the specific fluid been conveyed and the length of time the fluid is in contact with the hose.

Norm : ISO 1307 for dimensional tolerances



Suction and delivery hose manufactured, tested and packed in a controlled cleanroom (ISO 14644 class 8) for cosmetic, pharmaceutical and food products. Hose tested according to the main norms for food contact materials (FCM). Not intended for use as an implant material. Not suitable for blood or human fluids. Extractables & leachables testing available. Manufactured according to GMP (CE 2023/2006).

DESCRIPTION

Tube

extruded platinum-cured silicone, translucent, phthalates free, tested in compliance with 1907/2006/CE (REACH). Meets FDA CFR 21 PART 177.2600, USP XXXVI class VI requirements, European Pharmacopoeia 3.1.9 Ed. VIII /2014, ISO 10993 - 4:2017, 5:2009, 12:2012, BfR Recommendation XV, European Reglement 1935/2004/CE, Japan Ministry of Health and Welfare Notice No.370,1959, No.201,2006 and revision 2012, 3A Sanitary Standard Class I, Arrêté du 25 novembre 1992

Reinforcement

high temperature resistant textiles, stainless steel wire helix

Cover

smooth, platinum-cured silicone, translucent, glossy cover. Heat, ageing, ozone and abrasion resistant

Sterilization

refer to guidelines for cleaning and sanitizing on Tudertechnica website

Marking

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Inside diameter		Outside diameter		Length		Vacuum		Working pressure		Burst pressure		Appr. weight		Bending radius	
[mm]	[in]	[mm]	[in]	[mt]	[ft]	[bar]	[psi]	[bar]	[psi]	[bar]	[psi]	[kg/mt]	[lbs/ft]	[mm]	[in]
13	0,50	24	0,94	40	130	0,9	13	12	174	48	696	0,42	0,28	45	1,77
16	0,63	27	1,06	40	130	0,9	13	12	174	48	696	0,48	0,32	55	2,17
19	0,75	30	1,18	40	130	0,9	13	10	150	40	600	0,53	0,36	65	2,56
25	1,00	36	1,42	40	130	0,9	13	10	150	40	600	0,67	0,45	90	3,54
32	1,25	43	1,69	40	130	0,9	13	9	130	36	520	0,84	0,56	95	3,74
38	1,50	51	2,00	40	130	0,9	13	8	116	32	464	0,98	0,66	100	3,94
51	2,00	64	2,52	40	130	0,9	13	6	87	24	348	1,34	0,90	155	6,10

Data refer to ambient temperature (20°C); we recommend a reduction of 20% working pressure for every 100°C of temperature increase. Other diameters, wall thickness and pressure only on specific request. We reserve the right to supply in random lengths shorter than 40mt or 20mt.