

ASRT

Silicone rubber tubing

High temperature silicone tubing

Construction and Type of Material:

These sleeveings have been produced by using a high grade silicone elastomer (VMQ) in extrusion. The material is homogenous and especially tested for its properties in electric penetration under moist conditions. Contrary to most thermoplastics sleeveings, silicone rubber sleeveings do not change their properties within the temperature range of -40°C up to +200°C.

Silicone sleeveings are weather and age resistant, resistant to ozone (oxygen), resistant to light, and are physiologically inert. Special types could be used for applications between -90° and +300°C.

Application:

To be used on wires and wire strands in the electric-machinery and instrument industries (particularly where high frequency and high temperature conditions in service exists.)

The sleeveings can be used in medical application and also in the food industry.

Sterilization in heat air or heat vapour up to +140°C could be effected repeatedly.



Physical Properties:

Spec. Density:	DIN 53505	1,19 g/cm ³
Elongation:	DIN 53504 S2	≥ 300%
Compression set 22h/175°C	DIN 53517	≤ 40%
Thermal Rating:		Class H (-60 up to +200°C)
Dielectric Strength:	VDE 0303	18 kV/mm
Dielectric constant	DIN 53482	3 / 25°C / 50 Hz
Volume Resistivity	VDE 0303	1015 Ω* cm
Shore Hardness A:	DIN 53505	60 +/-5

Tolerances:

Inner diameter:

0,3 mm upto 2,5 mm	+/-0,1 mm
all other dimensions	acc. DIN 7715 E2

wall thickness:

0,1 mm +0,1/-0,05 mm
0,15 mm upto 1,5 mm +/-0,1 mm

Available Colours:

Clear, white, black, red ,blue, green, yellow, grey, brown, orange, violet, pink

We are also able to supply:

- Talc free tubings from 0,3 mm Id. also in acc. to BGA/FDA.

- Different shore hardmesses from 40 upto 70° A

These values are average results and should not be used as specification.

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Dimension Silicone Rubber Tubing

The first three digits of the type number indicate the Id. and the last two digits represent the wallthickness

Type	Inner-Ø mm	wall thickness mm	Type	Inner-Ø mm	wall thickness mm
00301	0,3	0,1	04005	4,0	0,5
00302	0,3	0,2	04007	4,0	0,7
003025	0,3	0,25	04010	4,0	1,0
00501	0,5	0,1	04020	4,0	2,0
005015	0,5	0,15	05005	5,0	0,5
00502	0,5	0,2	05006	5,0	0,6
005025	0,5	0,25	05010	5,0	1,0
00503	0,5	0,3	05015	5,0	1,5
00504	0,5	0,4	05020	5,0	2,0
00505	0,5	0,5	06005	6,0	0,5
00510	0,5	1,0	06006	6,0	0,6
00701	0,7	0,1	06010	6,0	1,0
00702	0,7	0,2	06015	6,0	1,5
00703	0,7	0,3	06020	6,0	2,0
00705	0,7	0,5	06030	6,0	3,0
00707	0,7	0,7	07005	7,0	0,5
00804	0,8	0,4	07007	7,0	0,7
01002	1,0	0,2	07010	7,0	1,0
010025	1,0	0,25	07015	7,0	1,5
01004	1,0	0,4	07020	7,0	2,0
01005	1,0	0,5	08005	8,0	0,5
01007	1,0	0,7	08007	8,0	0,7
01010	1,0	1,0	08010	8,0	1,0
01015	1,0	1,5	08015	8,0	1,5
01204	1,2	0,4	08020	8,0	2,0
01302	1,3	0,2	09007	9,0	0,7
01502	1,5	0,2	09010	9,0	1,0
01503	1,5	0,3	09015	9,0	1,5
01504	1,5	0,4	09020	9,0	2,0
01505	1,5	0,5	10010	10,0	1,0
01507	1,5	0,7	10015	10,0	1,5
01510	1,5	1,0	10020	10,0	2,0
02002	2,0	0,2	10025	10,0	2,5
020025	2,0	0,25	12010	12,0	1,0
02004	2,0	0,4	12020	12,0	2,0
02005	2,0	0,5	14010	14,0	1,0
02007	2,0	0,7	14020	14,0	2,0
02010	2,0	1,0	15010	15,0	1,0
02015	2,0	1,5	15020	15,0	2,0
02502	2,5	0,2	16010	16,0	1,0
02504	2,5	0,4	16020	16,0	2,0
02505	2,5	0,5	18010	18,0	1,0
02510	2,5	1,0	18020	18,0	2,0
02515	2,5	1,5	20010	20,0	1,0
03003	3,0	0,3	20020	20,0	2,0
03004	3,0	0,4	24020	24,0	2,0
03005	3,0	0,5	25020	25,0	2,0
03010	3,0	1,0	32020	32,0	2,0
03015	3,0	1,5			
03020	3,0	2,0			
03504	3,5	0,4			

We certify that the values provided are as accurate as possible. Use of these values, however, remains the sole responsibility of the customer and cannot in any way substitute for testing the product under real conditions of use. The user must assess whether this product is suitable for a particular use. KACAB shall not be held responsible for any loss or anomaly resulting from the correct or incorrect use of this product.