



Master-SIL SD Food

Article Master No.: 000491

Silicone Pressure Hose, Food-grade Quality (FDA)



hydrolysis resistant



food approved



microbe resistant



moderately flexible



heavy



very pressure resistant

Product Details

Construction / Material

- Type of construction: single or multi-layer spiral hose made of vulcanized fabric strips
- Spiral Design: made from stainless steel wire
- Material of the spiral: stainless steel 1.4310, spring steel
- Execution of the wall: made of specified material, coated, coating made of platinum cross-linked silicone, multi-layered and braided, wall thickness approx. 5.0 mm
- Material of the wall: Polyester fabric
- Specifications of the wall: material complies with food regulations FDA 21 CFR § 177.2600 - 21 CFR § 178.2010, material complies with the food regulations of BfR XXXIX, material is USP Class VI certified

Properties

- Specifications of the product: manufacturing process according to GMP EC 2023/2006
- Chemical Properties: odourless and tasteless, good resistance to chemicals
- Flexibility: moderately flexible
- Weight: heavy
- Pressure Resistance: very pressure resistant
- Colour: transparent
- Other: high vacuum and good pressure resistance

Operating Temperature

- Temperature Range: -60 - 200

Delivery Information

- Delivery, type of production: various nominal widths in standard lengths are available ex-production, individual nominal widths and lengths also ex-stock

Application Areas

- Areas of application: Chemistry, Food & Pharma, Plastics

Customizing Options

- optional item modification (on request): other colours, other lengths, other nominal widths, with customer-specific imprint

Article Variants

Extended Article Number	Article number	Nominal Size (DN) mm	Outer diameter mm	Bending radius* mm	Weight kg/m	Operating pressure bar	Negative pressure bar	Max. Production length m	Stock Lengths m
000491:13:x	000491	13	23	40	0.42	11.00	0.88	30.00	/
000491:16:x	000491	16	26	45	0.50	10.00	0.88	30.00	/
000491:19:x	000491	19	29	55	0.57	10.00	0.88	30.00	/
000491:25:x	000491	25	35	65	0.71	9.00	0.88	30.00	/
000491:32:x	000491	32	42	95	0.87	8.00	0.88	30.00	/
000491:38:x	000491	38	48	110	1.10	7.00	0.88	30.00	/
000491:51:x	000491	51	60	150	1.37	6.00	0.88	30.00	/
000491:65:x	000491	65	75	180	1.80	5.00	0.88	20.00	/
000491:76:x	000491	76	87	240	2.15	4.00	0.88	20.00	/
000491:100:x	000491	100	112	360	3.10	2.50	0.88	20.00	/

All data refer to a medium and ambient temperature of +20°C.
 Specification of the bending radius related to the inside of the hose bend
 Subject to technical changes and colour deviations

Delivery Variants

Available in other lengths, other nominal diameters, with customer-specific customer-specific imprint.

Disposal instructions

After use, the product must be disposed of in accordance with the legal regulations applicable in the user's region (in Germany in accordance with the applicable Waste Catalogue Ordinance (AVV)).

Possible Connection Elements



Hose Clamp with Bolts
special clamp for fastening medium and heavy spiral hoses to connection pipes on mobile and stationary units



Hose Clamp with Bolts, Steel quality W4, stainless steel 1.4301
Special clamp for fastening medium and heavy spiral hoses to connection pipes on mobile and stationary units

Individual consultation

We offer consultation by phone:
+49 209 97077-112

Product requests via
[masterflex.de/en](https://www.masterflex.de/en)

Address Headquarters

Masterflex SE
Willy-Brandt-Allee 300
45981 Gelsenkirchen

