



Master-SANTO SL

Article Master No.: 000424

TPV transport and suction hose, very lightweight, for increased temperatures



hydrolysis resistant



microbe resistant



compressible



very flexible



light



moderately pressure resistant

Product Details

Construction / Material

- Type of construction: film hose with metal spiral
- Spiral Design: coating in TPV
- Material of the spiral: spring steel
- Execution of the wall: coated, coating in TPV
- Material of the wall: Polyester fabric

Properties

- Specifications of the product: according to TRGS 727 and ATEX 2014/34 EU
- Chemical Properties: good resistance to chemicals, halogen-free, good UV resistance, good ozone resistance, good resistance to acids, good resistance to alkaline solutions, good resistance to solvent vapours, plasticiser-free
- Flexibility: very flexible
- Weight: light
- Pressure Resistance: moderately pressure resistant
- Colour: fabric black, spiral grey

Operating Temperature

- Temperature Range: -40 - 130

- short-term maximum temperature: peaks to 150 °C

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: Agriculture, Automotive, Plant & Mechanical Engineering, Industry, Semiconductor Industry, Ventilation & Air-conditioning, Energy Technology, Bulk & Construction, Sea & Rail transport, Chemistry, Surface Technology, Waste Disposal & Cleaning Technology, Plastics, Conveying, lifting & feeding technology, Textile, Printing & Paper, Vehicle Construction, Metal & Toolmaking

Customizing Options

- optional item modification (on request): other lengths, other nominal widths, with customer-specific imprint, flame retardant according to DIN 4102 B1

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
000424:25:x	000424	25	33	25	0.14	3.00	0.88	25.00	/
000424:26:x	000424	26	33	25	0.15	3.00	0.88	25.00	/
000424:30:x	000424	30	38	30	0.18	3.00	0.86	25.00	/
000424:32:x	000424	32	40	32	0.20	2.60	0.83	25.00	/
000424:38:x	000424	38	48	38	0.24	2.50	0.81	25.00	/
000424:40:x	000424	40	49	40	0.25	2.40	0.80	25.00	5, 10
000424:45:x	000424	45	54	45	0.28	2.30	0.80	25.00	/
000424:50:x	000424	50	60	50	0.34	2.20	0.79	25.00	/
000424:51:x	000424	51	60	50	0.36	2.20	0.79	25.00	5, 10
000424:60:x	000424	60	70	60	0.43	1.60	0.71	25.00	10
000424:63:x	000424	63	72	63	0.44	1.50	0.68	25.00	/
000424:65:x	000424	65	74	65	0.46	1.40	0.67	25.00	/
000424:70:x	000424	70	79	70	0.49	1.30	0.63	25.00	/
000424:75:x	000424	75	83	75	0.57	1.20	0.59	25.00	/
000424:76:x	000424	76	84	75	0.59	1.20	0.59	25.00	5, 10
000424:80:x	000424	80	89	80	0.61	1.10	0.55	25.00	5, 10, 15
000424:90:x	000424	90	100	90	0.62	1.00	0.47	25.00	5, 10
000424:100:x	000424	100	110	100	0.63	0.90	0.39	25.00	/
000424:102:x	000424	102	111	100	0.63	0.90	0.39	25.00	5, 10
000424:110:x	000424	110	119	110	0.68	0.90	0.37	25.00	5, 10
000424:115:x	000424	115	124	115	0.71	0.80	0.36	25.00	/
000424:120:x	000424	120	130	120	0.74	0.80	0.35	25.00	/
000424:125:x	000424	125	133	125	0.75	0.80	0.34	25.00	/
000424:127:x	000424	127	135	125	0.77	0.80	0.34	25.00	5, 10
000424:130:x	000424	130	138	130	0.79	0.70	0.33	25.00	/
000424:140:x	000424	140	149	140	0.86	0.70	0.31	25.00	5, 10
000424:150:x	000424	150	160	150	0.93	0.60	0.29	25.00	/

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
000424:152:x	000424	152	160	150	0.95	0.60	0.29	25.00	5, 10
000424:160:x	000424	160	170	160	1.01	0.60	0.28	25.00	5, 10
000424:170:x	000424	170	180	170	1.07	0.60	0.26	25.00	/
000424:175:x	000424	175	185	175	1.10	0.50	0.25	25.00	/
000424:180:x	000424	180	190	180	1.13	0.50	0.24	25.00	/
000424:200:x	000424	200	210	200	1.66	0.50	0.20	25.00	/
000424:203:x	000424	203	211	200	1.68	0.50	0.20	25.00	5, 10
000424:225:x	000424	225	236	225	1.72	0.40	0.18	25.00	/
000424:250:x	000424	250	260	250	1.76	0.40	0.16	25.00	/
000424:254:x	000424	254	262	250	1.78	0.40	0.16	25.00	5, 10
000424:275:x	000424	275	287	275	1.96	0.30	0.14	25.00	/
000424:280:x	000424	280	291	280	1.98	0.30	0.14	25.00	/
000424:300:x	000424	300	313	300	2.75	0.30	0.12	25.00	5, 10
000424:350:x	000424	350	362	350	3.19	0.20	0.08	25.00	/
000424:400:x	000424	400	413	400	3.65	0.20	0.05	25.00	/

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 connector
Sheet steel connector for extending, connecting and joining light to medium-weight hoses



Hose Reducer, symmetrical
Hose reducer for extending, connecting and joining light to medium weight hoses



Master-Grip Hose Clamp, screwable
Special clamp for fastening light and medium-weight, right-handed spiral hoses such as Flamex B-se, Flamex B-F se, Master-PUR Trivolution, Master-PVC and Master-SANTO



Master-Grip Hose Clamp, screwable, Steel quality W4, stainless steel 1.4301
Special clamp for fastening light and medium-weight, right-handed spiral hoses such as Flamex B-se, Flamex B-F se, Master-PUR Trivolution, Master-PVC and Master-SANTO



Master-Grip Quick-Fix Clamp
Special clamp for fastening light and medium-weight, right-hand spiral hoses such as Flamex B-se, Flamex B-F se, Master-PUR Trivolution, Master-PVC and Master-SANTO



Heat Shrink Cuff
Heat shrink sleeve for easy connection and sealing of hoses

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

