



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
- Specifications of the wall: flame retardant according to DIN 4102 B1

Properties

- Specifications of the product: according to TRGS 727 and ATEX 2014/34 EU, with grounding on both sides of the spiral for aspirative and pneumatic conveying of non-flammable dusts and bulk materials in zone 22. For conveying gases and liquids with low conductivity in zone 2.
- 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: -40to 130°C
- short-term maximum temperature: peaks to 150 °C

Delivery Information

- Delivery, type of production: various nominal diameters in standard lengths are available ex-production, individual nominal diameters 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	Nominal Size (DN) in mm	Outer diameter in mm	Bending radius* in mm	Weight in kg/m	Operating pressure in bar	Negative pressure in bar	Max. Production length in m	Stock Lengths in m	Length (standard lengths available for order) in m
000424:25:x	25	33	25	0.14	3.00	0.88	25.00		5 / 10 / 15 / 20 / 25
000424:26:x	26	33	25	0.15	3.00	0.88	25.00		5 / 10 / 15 / 20 / 25
000424:30:x	30	38	30	0.18	3.00	0.86	25.00		5 / 10 / 15 / 20 / 25
000424:32:x	32	40	32	0.20	2.60	0.83	25.00		5 / 10 / 15 / 20 / 25
000424:38:x	38	48	38	0.24	2.50	0.81	25.00		5 / 10 / 15 / 20 / 25
000424:40:x	40	49	40	0.25	2.40	0.80	25.00	5 / 10	15 / 20 / 25
000424:45:x	45	54	45	0.28	2.30	0.80	25.00		5 / 10 / 15 / 20 / 25
000424:50:x	50	60	50	0.34	2.20	0.79	25.00		5 / 10 / 15 / 20 / 25
000424:51:x	51	60	50	0.36	2.20	0.79	25.00	5 / 10	15 / 20 / 25
000424:60:x	60	70	60	0.43	1.60	0.71	25.00	10	5 / 15 / 20 / 25
000424:63:x	63	72	63	0.44	1.50	0.68	25.00		5 / 10 / 15 / 20 / 25
000424:65:x	65	74	65	0.46	1.40	0.67	25.00		5 / 10 / 15 / 20 / 25
000424:70:x	70	79	70	0.49	1.30	0.63	25.00		5 / 10 / 15 / 20 / 25
000424:75:x	75	83	75	0.57	1.20	0.59	25.00		5 / 10 / 15 / 20 / 25
000424:76:x	76	84	75	0.59	1.20	0.59	25.00	5 / 10	15 / 20 / 25
000424:80:x	80	89	80	0.61	1.10	0.55	25.00	5 / 10 / 15	20 / 25
000424:90:x	90	100	90	0.62	1.00	0.47	25.00	5 / 10	15 / 20 / 25
000424:100:x	100	110	100	0.63	0.90	0.39	25.00		5 / 10 / 15 / 20 / 25
000424:102:x	102	111	100	0.63	0.90	0.39	25.00	5 / 10	15 / 20 / 25
000424:110:x	110	119	110	0.68	0.90	0.37	25.00	5 / 10	15 / 20 / 25
000424:115:x	115	124	115	0.71	0.80	0.36	25.00		5 / 10 / 15 / 20 / 25
000424:120:x	120	130	120	0.74	0.80	0.35	25.00		5 / 10 / 15 / 20 / 25
000424:125:x	125	133	125	0.75	0.80	0.34	25.00		5 / 10 / 15 / 20 / 25
000424:127:x	127	135	125	0.77	0.80	0.34	25.00	5 / 10	15 / 20 / 25
000424:130:x	130	138	130	0.79	0.70	0.33	25.00		5 / 10 / 15 / 20 / 25

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000424:140:x	140	149	140	0.86	0.70	0.31	25.00	10	5 / 15 / 20 / 25
000424:150:x	150	160	150	0.93	0.60	0.29	25.00		5 / 10 / 15 / 20 / 25
000424:152:x	152	160	150	0.95	0.60	0.29	25.00	5 / 10	15 / 20 / 25
000424:160:x	160	170	160	1.01	0.60	0.28	25.00	5 / 10	15 / 20 / 25
000424:170:x	170	180	170	1.07	0.60	0.26	25.00		5 / 10 / 15 / 20 / 25
000424:175:x	175	185	175	1.10	0.50	0.25	25.00		5 / 10 / 15 / 20 / 25
000424:180:x	180	190	180	1.13	0.50	0.24	25.00		5 / 10 / 15 / 20 / 25
000424:200:x	200	210	200	1.66	0.50	0.20	25.00		5 / 10 / 15 / 20 / 25
000424:203:x	203	211	200	1.68	0.50	0.20	25.00	5 / 10	15 / 20 / 25
000424:225:x	225	236	225	1.72	0.40	0.18	25.00		5 / 10 / 15 / 20 / 25
000424:250:x	250	260	250	1.76	0.40	0.16	25.00		5 / 10 / 15 / 20 / 25
000424:254:x	254	262	250	1.78	0.40	0.16	25.00	5 / 10	15 / 20 / 25
000424:275:x	275	287	275	1.96	0.30	0.14	25.00		5 / 10 / 15 / 20 / 25
000424:280:x	280	291	280	1.98	0.30	0.14	25.00		5 / 10 / 15 / 20 / 25
000424:300:x	300	313	300	2.75	0.30	0.12	25.00	5 / 10	15 / 20 / 25
000424:350:x	350	362	350	3.19	0.20	0.08	25.00		5 / 10 / 15 / 20 / 25
000424:400:x	400	413	400	3.65	0.20	0.05	25.00		5 / 10 / 15 / 20 / 25

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)).

Suitable for the product



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 0**

Product requests via: **https://www.masterflex-slang.nl/**

Headquarters for your sales area

Masterflex SE

Willy-Brandt-Allee 300
45891 Gelsenkirchen
Germany