

MEDIUM/HIGH TEMPERATURE HOSE FOR TEMPERATURES UP TO +750°F

Master-Clip KAPTON®

Material

Hose wall: one-sided KAPTON®-coated glass fabric
External helix: galvanized steel

Applications

- Suction of aggressive gases at high temperatures
- Exhaust gas routing in gauge pressure and low pressure range
- Vehicle and engine manufacturing
- Exhaust gas extraction for high-performance engine test-benches in the automotive industry

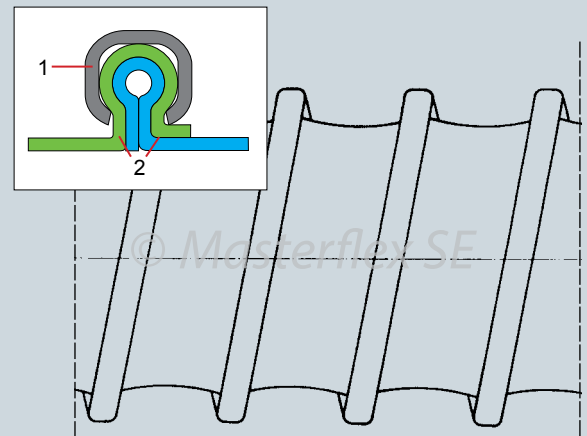
Properties

- Flame-resistant, non-melting KAPTON®-coating
- Very high temperature resistance
- Gas-tight in low and high pressure applications
- Good vacuum resistance
- Extremely lightweight
- Highly flexible
- Compressibility 1:4
- Small bend radius
- Excellent resistance to chemicals (similar resistance as Master-Clip PTFE hoses, but in a much wider temperature range)
- External steel helix protects against abrasion
- Special clamping method guarantees high tensile strength between hose material and external helix



Construction

1. External helix
2. Wall: one-sided KAPTON®-coated glass fabric



Temperature Range

- -435°F up to +750°F*

Temperature

- See resistance chart

**Total Air/Energy
SOLUTIONS**
Technology • Efficiency • Performance



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MASTERDUCT
Connecting Values

Master-Clip KAPTON®

Dia (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Weight (lbs./ft.)	Product Code
2.60	251	114	1.56		253-065-110
2.80	221	100	1.68		253-070-110
3.00	201	97	1.80		253-075-110
3.20	181	87	1.92		253-080-110
3.60	161	79	2.16		253-090-110
4.00	141	64	2.40	1.0758	253-100-110
4.40	121	53	2.64		253-110-110
4.80	113	45	2.88		253-120-110
5.00	109	40	3.00		253-125-110
5.20	105	38	3.12		253-130-110
5.60	79	34	3.36		253-140-110
6.00	69	29	3.60	1.7570	253-150-110
6.40	64	26	3.84		253-160-110
6.80	64	22	4.08		253-170-110
7.00	59	21	4.20		253-175-110
7.20	53	20	5.04		253-180-110
8.00	49	16	5.60	1.5873	253-200-110
8.60	47	15	6.04		253-215-110
9.00	42	13	6.32		253-225-110
10.00	39	11	7.00		253-250-110
11.00	37	9	7.72		253-275-110
12.00	33	7	8.40		253-300-110
12.60	28	7	8.84		253-315-110
13.00	25	7	9.12		253-325-110
14.00	20	6	9.80		253-350-110
15.00	16	5	12.00		253-375-110
16.00	16	4	12.80		253-400-110
18.00	12	3	14.40		253-450-110
20.00	11	3	16.00		253-500-110
22.00	10	2	17.60		253-550-110
24.00	8	2	19.20		253-600-110
28.00	6	2	22.40		253-700-110
32.00	5	1	25.60		253-800-110
36.00	4	1	28.80		253-900-110

*Referring to the inner side of the elbow of hose.

The above mentioned data refers to an average and ambient temperature of 68° F. Subject to technical changes and color variations. Please refer to technical data sheet when selecting hose.

Standard Production

- Diameter: 2.6" to 36"
- Color: outside white, inside yellow-gold
- Standard lengths: 25'

Available on Request

- Special lengths
- External helix available in stainless steel
- Special diameters metric

Installation and connection possibilities



Clip-Grip special hose clamp



Hose connector



Hose reducer, symmetrical

KAPTON® is a registered trademark of DuPont Dow Elastomers.

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