

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



## MASTER-CLIP KAPTON®

### Material

**hose wall:** one-side KAPTON®-laminated glass fabric  
**external helix:** galvanized steel

### Applications

- fume exhaustion in low pressure applications
- vehicle and engine construction
- exhaust-fume extraction from high performance test beds in the motor vehicle industries
- extraction of corrosive gases in high temperature areas

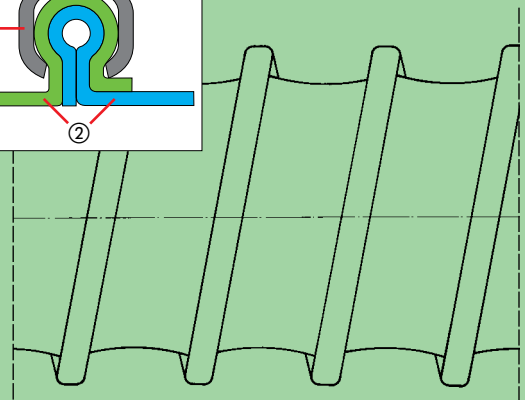
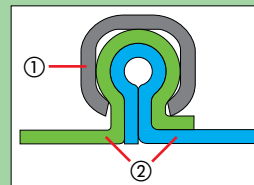
### Properties

- gas-tight in low and high pressure applications
- good vacuum resistance
- very high temperature resistance
- hardly inflammable, non melting KAPTON-coating
- external steel helix protects against abrasion
- extremely flexible
- compressibility 1:4
- small bend radius
- excellent resistance to chemicals (similar resistance as MASTER-CLIP TEFLON hoses but in a much wider temperature range)
- special clamping method guarantees high tensile strength between hose material and external helix

Kapton® is a registered trademark of DuPont Dow Elastomers.

### Construction

- ① external helix
- ② hose wall: one side KAPTON-laminated glass fabric



### Temperature Range

- -435°F up to +750°F

### Chem. Resistance

see resistance table

Technical Data, custom designs and forms of delivery see back page



**Masterduct**  
Member of the Masterflex-Group

# MASTER-CLIP KAPTON®

Dia. (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Weight (lbs./ft.)	Product code
2.00	362	150	1.20	0.5368	253-050-110
2.20	328	133	1.32	0.5368	253-055-110
2.40	281	121	1.44	0.5368	253-060-110
2.60	251	114	1.56	0.6039	253-065-110
2.80	221	100	1.68	0.6039	253-070-110
3.00	201	97	1.80	0.6039	253-075-110
3.20	181	87	1.92	0.6710	253-080-110
3.60	161	79	2.16	0.6710	253-090-110
4.00	141	64	2.40	0.6710	253-100-110
4.40	121	53	2.64	0.7381	253-110-110
4.80	113	45	2.88	0.7381	253-120-110
5.00	109	40	3.00	0.8723	253-125-110
5.20	105	38	3.12	0.8723	253-130-110
5.60	79	34	3.36	0.8723	253-140-110
6.00	69	29	3.60	0.9394	253-150-110
6.40	64	26	3.84	0.9394	253-160-110
6.80	64	22	4.08	0.9394	253-170-110
7.00	59	21	4.20	1.0736	253-175-110
7.20	53	20	5.04	1.0736	253-180-110
8.00	49	16	5.60	1.2078	253-200-110
8.60	47	15	6.04	1.3420	253-215-110
9.00	42	13	6.32	1.4762	253-225-110
10.00	39	11	7.00	1.6775	253-250-110
11.00	37	9	7.72	1.9459	253-275-110
12.00	33	7	8.40	2.1472	253-300-110
12.60	28	7	8.84	2.2143	253-315-110
13.00	25	7	9.12	2.3485	253-325-110
14.00	20	6	9.80	2.6169	253-350-110
15.00	16	5	12.00	2.9524	253-375-110
16.00	16	4	12.80	3.2879	253-400-110
18.00	12	3	14.40	3.8247	253-450-110
20.00	11	3	16.00	4.3615	253-500-110
22.00	10	2	17.60	4.8983	253-550-110
24.00	8	2	19.20	5.5022	253-600-110
28.00	6	2	22.40	6.4416	253-700-110
32.00	5	1	25.60	7.3810	253-800-110
36.00	4	1	28.80	8.3875	253-900-110

## Delivery forms:

### Standard production:

- Dia. 2" - 36"
- Color: outside white inside yellow-gold
- Production lengths 25'

### Available on request:

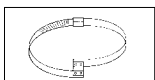
- special lengths
- two-layer-construction with raised vacuum resistance (up to 30 % more than the single-layer standard hose type)
- custom design with other pitches and helix sizes
- external helix also in stainless steel
- special diameters - metric

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

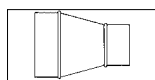
The above mentioned data refers to an average and ambient temperature of 68°F. Subject to technical changes and color variations. Please refer to technical data sheet when selecting hose.

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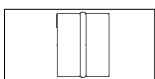
## Installation and connection possibilities:



CLIP-GRIP special hose clamp for MASTER-CLIP hoses



hose reducer, symmetrical



hose connector