

SUCTION AND VENTILATING HOSE FOR CORROSIVE MEDIA UP TO +350°F

Master-Clip PTFE-H

Material

- Hose wall double layer:
- Inner layer: PTFE-film
- Outer layer: Hypalon®-coated glass fabric
- External helix: galvanized steel

Applications

- Pharmaceutical industry
- Chemical industry
- Paint, wood, and paper industries
- Extraction of corrosive media
- Under increased mechanical performance
- Paint mist exhaustion
- Solvent extraction
- Low pressure applications

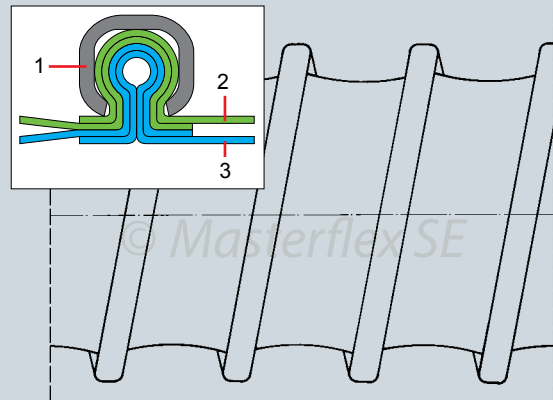
Properties

- Excellent chemical resistance
- PTFE: harmless to health
- Excellent weather resistance
- High temperature and cold resistant
- Vibration-proof
- Highly flexible
- Extreme compressibility 1:4
- Small bend radius
- Extra strength outer hose wall
- Hose wall with non-stick surface
- Excellent flex fatigue resistance
- Good tear strength
- Good UV/ozone resistance
- Optimum flow characteristics
- External steel helix protects against abrasion
- Special clamping method guarantees high tensile strength between hose material and external helix



Construction

1. External helix
2. Outer layer: Hypalon®-coated glass fabric
3. Inner layer: PTFE-film



Temperature Range

- -40°F up to +350°F
- Intermittent to +375°F

Chem. Resistance

See resistance table

Master-Clip PTFE-H

| Dia (in.) | Positive (in. w.c.) | Negative (in. w.c.) | *Bending radius (in.) | Weight (lbs./ft.) | Product Code |
|-----------|---------------------|---------------------|-----------------------|-------------------|--------------|
| 2.50 | 273 | 104 | 1.56 | 0.4697 | 251-063-107 |
| 3.00 | 249 | 78 | 1.80 | 0.5368 | 251-075-107 |
| 3.50 | 225 | 54 | 2.16 | 0.6039 | 251-090-107 |
| 4.00 | 205 | 44 | 2.40 | 0.6710 | 251-100-107 |
| 4.50 | 193 | 37 | 2.64 | 0.7381 | 251-110-107 |
| 5.00 | 133 | 28 | 3.00 | 0.8052 | 251-125-107 |
| 5.60 | 100 | 23 | 3.36 | 0.8723 | 251-140-107 |
| 6.00 | 88 | 20 | 3.60 | 0.8723 | 251-150-107 |
| 6.40 | 84 | 17 | 3.84 | 0.8723 | 251-160-107 |
| 7.00 | 74 | 15 | 4.20 | 0.9394 | 251-175-107 |
| 8.00 | 59 | 11 | 4.80 | 1.0736 | 251-200-107 |
| 9.00 | 46 | 9 | 6.32 | 1.3420 | 251-215-107 |
| 10.00 | 40 | 7 | 7.00 | 1.4091 | 251-250-107 |
| 11.00 | 32 | 6 | 7.72 | 1.5433 | 251-275-107 |
| 12.00 | 28 | 5 | 8.40 | 1.6104 | 251-300-107 |
| 13.00 | 24 | 4 | 9.12 | 1.8788 | 251-325-107 |
| 14.00 | 23 | 4 | 9.80 | 2.2143 | 251-350-107 |
| 15.00 | 20 | 3 | 10.52 | 2.3485 | 251-375-107 |
| 16.00 | 19 | 3 | 11.20 | 2.5498 | 251-400-107 |
| 18.00 | 18 | 2 | 14.40 | 2.8182 | 251-450-107 |
| 20.00 | 17 | 2 | 16.00 | 3.1537 | 251-500-107 |
| 22.00 | 17 | 2 | 17.60 | 3.5563 | 251-550-107 |
| 24.00 | 16 | 1 | 19.20 | 3.9589 | 251-600-107 |
| 28.00 | 12 | 1 | 22.40 | 4.6299 | 251-700-107 |
| 32.00 | 9 | 1 | 25.60 | 5.0996 | 251-800-107 |
| 36.00 | 6 | 1 | 28.80 | 5.5022 | 251-900-107 |

*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: 2.5" to 36"
- Color: inside white, outside black
- Standard lengths: 25'

Available on Request

- Special lengths up to 50'
- Custom design with other pitches and helix sizes
- External helix also in stainless steel
- Special diameters metric

Installation and connection possibilities



Clip-Grip hose clamp, screwable



Hose connector



Hose reducer, symmetrical

Masterduct, Inc.
5235 Ted Street
Houston, TX 77040 USA
Tel. +1 713 462-5779
Tel. +1 800 318-3300
Fax +1 713 939-8441
www.Masterduct.com

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