

VULCANIZED PRODUCTS FOR TEMPERATURES UP TO +600°F

Master-SIL 2 NOMEX

Material

Hose wall: inner layer silicone-coated glass fabric, outer layer silicone-coated Nomex
Spiral: spring steel wire
Cord: aramid cord

Applications

- Chemicals industry
- Automotive industry
- Aircraft manufacturing
- Conveyance of air and gaseous media with high nominal and ambient temperatures with greater mechanical requirements
- Hot air hose for granulate dryer
- Machine and engine manufacturing
- Shipbuilding
- Plastic processing industry
- Waste incineration plants
- General engineering

Properties

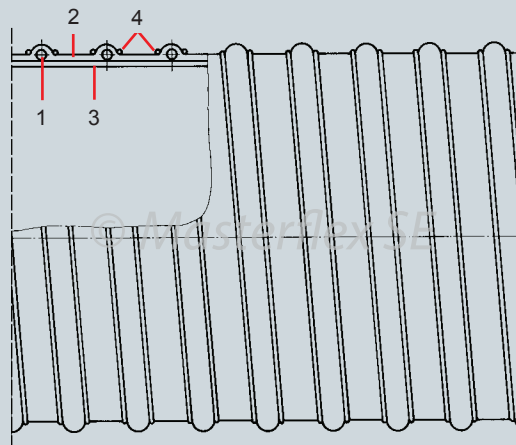
- Highly flexible
- Lightweight
- Small bend radius
- Symmetrical bending
- Kink-proof
- Good chemical resistance
- Immovable vulcanized wall and spring steel spiral
- Excellent flex fatigue resistance
- Excellent abrasion resistance
- Very durable
- Good tear and puncture resistance
- To maximize life of duct and exhaust system effectiveness, it is recommended to utilize a negative pressure exhaust system and introduce ambient air at the inlet

© Masterflex SE



Construction

1. Spring steel spiral
2. Outer layer: silicone-coated Nomex
3. Inner layer: silicone-coated glass fabric
4. Aramid cord



Temperature Range

- -75°F up to +600°F
- Intermittent to +660°F
- When used in exhaust gas systems, gas funnels should be used properly and enough fresh air should be utilized.

Chem. Resistance

See resistance chart

Master-SIL 2 NOMEX

Dia (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Weight (lbs./ft.)	Product Code
1.00	1,125	260	0.60	0.1543	687-025-800
1.25	1,125	260	0.63	0.1745	687-032-800
1.50	1,045	240	0.72	0.2080	687-038-800
1.75	1,045	224	0.84	0.2281	687-044-800
2.00	1,045	208	0.96	0.2415	687-050-800
2.25	1,005	196	1.12	0.2885	687-057-800
2.50	965	184	1.24	0.3288	687-063-800
3.00	884	172	1.52	0.3892	687-075-800
3.50	804	160	1.76	0.4629	687-090-800
4.00	764	140	2.08	0.5166	687-100-800
4.50	643	116	2.28	0.5972	687-115-800
5.00	563	104	2.52	0.6576	687-125-800
6.00	482	68	3.00	0.8052	687-150-800
7.00	402	48	3.56	0.9729	687-175-800
8.00	281	36	4.00	1.0870	687-200-800
10.00	201	28	6.00	1.4024	687-250-800
12.00	121	16	8.40	1.4359	687-300-800

*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: 1" to 12"
- Color: red
- Standard lengths: 13' (1"-12" dia), 20' (2", 2.5", 3", 4", 5", 6", 8" dia)

Available on Request

- Special lengths
- Spliced lengths
- With spiral-free sleeves

Installation and connection possibilities



Hose clamp with worm-gear drive



Hose connector



Hose reducer, symmetrical