

# SILICONE HIGH TEMPERATURE HOSE



## temperature range:

**-62°C to +316°C**

## Use

Places that treat air, dust, smoke and lightweight powder this product has been designed for low or medium pressure.

Not suitable in places that treat liquid and polishing agent.

## Feature

Spring steel wire which has high elasticity and spiral shape with chemical treatment. Inner part and cover of the fiber glass that has been coated with silicon rubber.

Composed of filament coated with silicon, this fiberglass code reduces the friction loss coming from the flow of air. It is also light and doesn't bend.

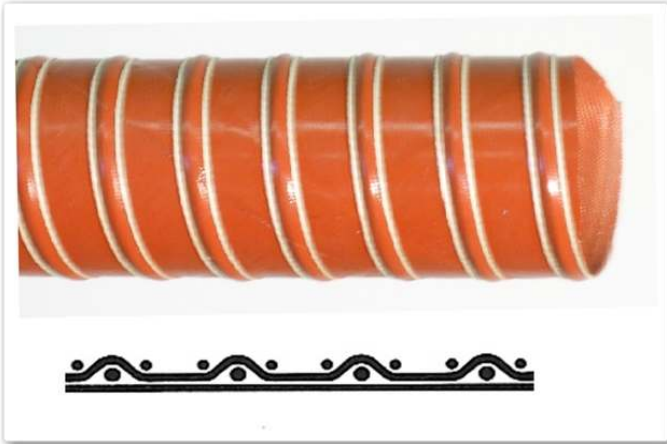
Outstanding durability

## TECHNICAL DATA

I.D INCHES	DASH NO	P.S.I.G	BURST	MAX. LEAKAGE CFM	MAX. NEG. P.S.I	WT. PER FT. IN OZ	CUFF LENGTH	WALL THICKNESS
1.00	4	60	180	0.015	15	2.0	1 1/2	.070
1.25	5	60	180	0.015	15	2.5	1 1/2	.070
1.50	6	55	165	0.015	13	3.0	1 1/2	.070
1.75	7	55	165	0.02	13	3.5	1 1/2	.070
2.00	8	50	150	0.02	10	4.0	1 1/2	.070
2.25	9	50	150	0.02	10	4.5	1 1/2	.070
2.50	10	45	135	0.025	8	5.0	1 1/2	.070
2.75	11	45	135	0.025	8	6.0	1 1/2	.070
3.00	12	45	135	0.03	7	6.2	1 1/2	.070
3.25	13	45	135	0.03	6	6.7	1 1/2	.070
3.50	14	40	120	0.035	6	7.2	1 1/2	.070
3.75	15	40	120	0.035	5	7.8	1 1/2	.070
4.00	16	40	120	0.04	5	8.4	1 1/2	.080
4.50	18	35	105	0.05	4	9.6	2	.080
5.00	20	35	105	0.06	4	10.7	2	.080
5.50	22	30	90	0.08	3	11.8	2	.080
6.00	24	30	90	0.10	3	13.0	2	.090
8.00	32	15	45	0.15	3	17.8	2	.110
10.00	40	8	24	0.20	2	22.6	2 1/2	.120
12.00	48	4	12	0.30	2	27.1	2 1/2	.120

# GF2S ECO

## Hoses - with steel wire reinforcement



**Structure:** Wall made of 2 ply glassfibre reinforced Silicone; copper plated spring steel spiral embedded into wall, on the outside reinforced with two additional glassfibre cords

**Characteristics:** tough and flexible hose, inner walls very smooth, good resistant to temperature and chemicals

**Applications:** warm air supply, air intake, material dryers, chemical fume extraction

**Temperature range:** -60°C to +310°C

**Colour:** red

**Options:** spiral free ends for an easy connection

### TECHNICAL DATA

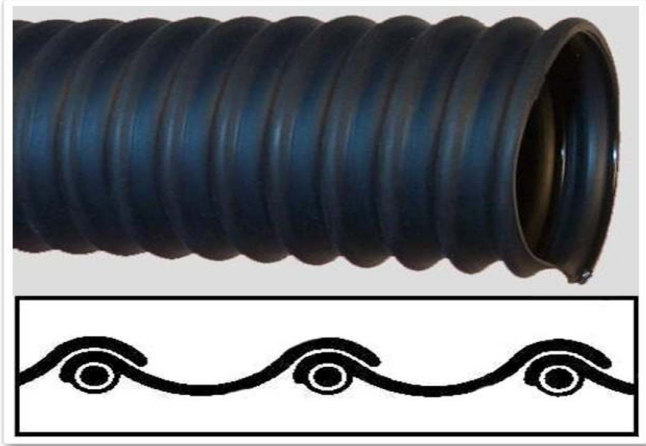
I.D mm	Max bar	Vacuum mbar	Weight g/m	LENGTH m
38	2.4	560	210	4
51	2.4	530	285	4
60	2.3	460	343	4
63	2.2	460	355	4
76	2.1	440	470	4
83	2.1	400	510	4
90	2.0	400	545	4
102	1.8	350	610	4
114	1.7	280	785	4
127	1.5	210	860	4
152	1.1	110	1,100	4
178	0.8	70	1,280	4
203	0.6	60	1,395	4

Further diameters available upon request.

Technical data are based on +20°C.

# K1H-TPR

## Hoses - with steel wire reinforcement



**Structure:** Outer bore of TPR (thermoplastic rubber); PP-coated spring steel spiral; welded to outer bore.

**Characteristics:** Light and highly flexible hose, high temperature stable, good chemical resistance, good resistance against ozone.

**Applications:** machinery, chemical industry, automotive industry, ventilation industry etc.

**Temperature range:** -40°C to +135°C

**Colour:** black

**Specials:** a wide range of cuffs available

### TECHNICAL DATA

I.D mm	Toleranz Tolerance	O.D mm	Toleranz Tolerance	r (mind.) r (min) mm	Weight g/m	Vacuum mbar	Pressure bar	
38	+1 / -0	46	+1.5/-0	r = d	233	550	0.90	
51	+1.5/ -0	57	+2 / -0		301	500	0.70	
63	+2 / -0	69	+3 / -0		370	500	0.70	
76		82			503	500	0.70	
80		86			662	500	0.70	
90	+3 / -0	96	+4 / -0		742	500	0.70	
102		109			839	450	0.50	
115	+3 / -0	127	+4 / -0		130	903	450	0.50
127		132			180	1,040	450	0.50
140	+4 / -0	147	+6 / -0		185	1,253	200	0.40
152		157		190	1,340	200	0.40	
178		182		205	1,560	200	0.40	
203	+6 / -0	210	+9 / -0	250	1,779	150	0.20	
254		257		330	1,941	150	0.20	
305		307		420	2,326	100	0.15	

Further diameters available upon request.

Technical data are based on +20°C.

# SILICONE CLIPS HIGH TEMPERATURE HOSE 250°C



## Application:

Silicone clips high temperature hose, especially suitable:

- for suction of high temperature air in engine exhaust in industry
- for high temperature gaseous media like vapors and smoke
- In dryer, automotive, aerospace, shipbuilding, military
- as bellows and compensator

## Feature:

- Good performance on working pressure
- Very good resistance to heat
- Highly flexible and compressible
- External galvanized steel helix protects against crushing
- Firm clamping structure
- Good resistance to chemical substance
- Small bending radius
- Flame-retardant
- Kink-proof
- Light weight

## Working temperature

- -60to +250 degree centigrade approx. available

## Material:

Wall : Special coated glass fiber fabric

Clips profile: galvanized steel

## TECHNICAL DATA

I.D	O.D	Roll
inch	mm	Meter
2	51	10
3	76	10
4	102	10
5	127	10
6	152	10
7	178	10
8	203	10
9	228	10
10	254	10
11	279	10
12	305	10
13	329	10
14	356	10
15	381	10
16	406	10
18	457	10
19	482	10
20	508	10
21	533	10
22	558	10
23	584	10
24	609	10



# SILICONE CLIPS HIGH TEMPERATURE HOSE 400°C



## Application:

Silicone clips high temperature hose, especially suitable:

- for suction of high temperature air in engine exhaust in industry
- for high temperature gaseous media like vapors and smoke
- In dryer, automotive, aerospace, shipbuilding, military
- as bellows and compensator

## Feature:

- Good performance on working pressure
- Very good resistance to heat
- Highly flexible and compressible
- External galvanneal steel helix protects against crushing
- Firm clamping structure
- Good resistance to chemical substance
- Small bending radius
- Flame-retardant
- Kink-proof
- Light weight

## Working temperature

- -70to +400 degree centigrade approx. available

## Material:

Wall : Special coated glass fiber fabric

Clips profile: galvanneal steel

## TECHNICAL DATA

I.D	O.D	Roll
inch	mm	Meter
2	51	10
3	76	10
4	102	10
5	127	10
6	152	10
7	178	10
8	203	10
9	228	10
10	254	10
11	279	10
12	305	10
13	329	10
14	356	10
15	381	10
16	406	10
18	457	10
19	482	10
20	508	10
21	533	10
22	558	10
23	584	10
24	609	10

# VACUFLEX CLIP 550



## Suction hose up to +550°C

### Material:

2-ply, outside special coated glass fibre reinforced by woven in stainless steel wire  
inside raw glass fibre external galvanised steel helix

### Temperature range:

**-120 up to +550 °C**

### Properties:

hardly inflammable in acc. to SOLAS heat resistant  
more mechan. resistance for reason of woven in stainless steel wire  
flexible and compressible up to 1:6 limited flexing and vibration-resistant

### Applications:

extraction of hot vapor and exhaust

### Delivery forms:

Ø 65 up to 900 mm

colour grey, standard length: 2 up to 10 m

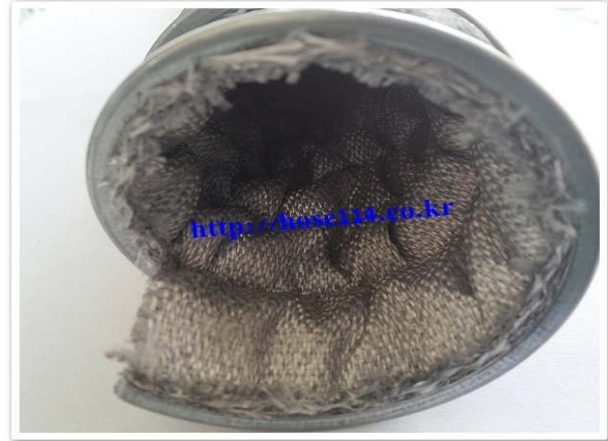
### On request:

short length and length up to 20 m stainless steel helix  
custom made solutions

## TECHNICAL DATA

I.D	WEIGHT	BENDING RADIUS	Vacuum
mm	g/m	mm	bar
65	1,450	39	0.260
75	1,650	45	0.200
90	1,800	54	0.140
100	1,800	60	0.110
120	2,000	72	0.080
125	2,100	75	0.070
150	2,200	90	0.050
175	2,800	105	0.040
200	3,000	120	0.030
225	3,400	135	0.020
250	3,550	175	0.020
275	4,200	193	0.020
300	4,400	210	0.010
325	4,700	228	0.010
350	5,000	245	0.009
375	5,500	263	0.008
400	5,900	280	0.007
450	6,700	360	0.006
500	7,400	400	0.005
600	9,000	480	0.004
700	10,100	560	0.003
800	11,600	640	0.003
900	13,200	720	0.002

# VACUFLEX CLIP 650



## Suction hose up to +650°C

### Material:

2-ply, special coated glass fibre reinforced by woven in stainless steel wire  
external galvanised steel helix

### Temperature range:

**-120 up to +650 °C**

### Properties:

hardly inflammable in acc. to SOLAS heat resistant  
more mechan. resistance for reason of woven in stainless steel wire  
flexible and compressible up to 1:6 limited flexing  
and vibration-resistant

### Applications:

extraction of hot vapor and exhaust

### Delivery forms:

Ø 65 up to 900 mm

colour grey, standard length: 2 up to 10 m

### On request:

short length and length up to 20 m stainless steel helix  
custom made solutions

## TECHNICAL DATA

I.D	WEIGHT	BENDING RADIUS	Vacuum
mm	g/m	mm	bar
60	1,350	36	0.320
65	1,450	39	0.300
75	1,650	45	0.260
90	1,800	54	0.210
100	1,800	60	0.170
120	2,000	72	0.120
125	2,100	75	0.110
150	2,200	90	0.080
175	2,800	105	0.060
200	3,000	120	0.040
225	3,400	135	0.040
250	3,550	175	0.030
275	4,200	193	0.020
300	4,400	210	0.020
350	5,000	245	0.015
375	5,500	263	0.010
400	5,900	280	0.010
450	6,700	360	0.009
500	7,400	400	0.007
600	9,000	480	0.005
700	10,100	560	0.004
800	11,600	640	0.003
900	13,200	720	0.003

# VACUFLEX CLIP 1100



## Suction hose up to +1100°C

### Material:

3-ply, outside special coated glass fibre reinforced by woven in stainless steel wire in the middle high temp. textile insulating inside heat resistant stainl.

steel mesh external stainless steel helix

### Temperature range:

**-120 up to +1100 °C**

### Properties:

hardly inflammable

heat resistant

more mechan. resistance for reason of woven in stainless steel wire

flexible

limited flexing and vibration-resistant

### Applications:

extraction of hot vapor and exhaust

### Delivery forms:

Ø 75 up to 900 mm

colour grey, standard length: 2 up to 10 m

### On request:

short length and length up to 15 m

custom made solutions

## TECHNICAL DATA

I.D	WEIGHT	BENDING RADIUS	Vacuum
mm	g/m	mm	bar
75	1,100	45	0.310
80	1,200	48	0.280
90	1,200	54	0.250
100	1,200	60	0.200
120	1,300	72	0.140
125	1,500	75	0.130
150	1,700	90	0.110
175	2,000	108	0.090
200	2,200	120	0.060
225	2,700	135	0.050
250	3,000	175	0.040
275	3,500	193	0.040
300	3,900	210	0.030
325	4,200	228	0.020
350	4,600	245	0.018
375	5,400	263	0.016
400	5,800	280	0.014
450	6,700	360	0.011
500	7,600	400	0.009
600	9,600	480	0.006
700	11,100	560	0.005
800	12,800	640	0.004
900	14,500	720	0.003



## HIGH TEMPERATURE FIRE SLEEVE TUBE STYLE



### Products features:

The carbon fiber high temperature insulated fire sleeving is braided with non-alkali glassfiber and carbon fiber, coated with silicone resin in high temperature.

### Product reaction:

the protection; insulated fireproof; resistance to voltage; heat insulation; anticorrosion; flexibility etc.

### Application:

Main application to the steel smelting, non-ferrous metal smelting. Power plant, shipyard etc the high temperature areas that need to be protect of cables and pipes.

### Basic Performance:

Heat Resistance: Continuous working temperature of **560°C**, and break down temperature at **1650°C** (within 30S), 1650°C destructive test can last for half an hour, then outside layer began to carbonization; glassfiber will be in good condition.  
Flame resistance: VW-1  
Color: Main color is red, other colors can be customized under requirement.

## TECHNICAL DATA

I.D	O.D	WALL THICKNESS	TOLERANCE	ROLL LENGTH
mm	mm	mm	mm	M
10	15	2	±0.20	25
15	20	2	±0.20	25
20	25	2	±0.30	25
25	30	2	±0.40	25
30	35	2	±0.40	25
35	41	2.3	±0.50	25
40	46	3	±0.50	25
45	52	3	±0.80	25
50	57	3	±0.80	25
55	62	3.5	±1.00	20
60	67	3.5	±1.5	20
65	72	3.5	±1.5	20
70	78	3.5	±1.5	20
75	83	4	±1.5	15
80	88	4	±2	15
85	93	4	±2	15
90	98	4	±2	10
95	104	4	±2	10
100	110	4	±2	10
110	120	5	±2.5	10
120	130	5	±2.5	10

# SILICON RESIN HIGH TEMPERATURE HEDT RESISTANT WINDING BELT



## Products features:

Material is same carbon fiber fire proof sleeve, the heat resistant performance can be same as high temperature sleeves. Suitable used in larger diameter of the tubes or place of complex lines.

## Application:

Widely used in metallurgical equipment, industrial machinery, electronic appliances, electric products of high temperature, such as place of heat and insulation protection.

## Advantage feature:

- when installation, no need to remove hose and cable, Labour and time can be saved.
- with spiral way over lapping 30% -50% can bind quick and convenient.
- coil packaging, small volume light weight, installation and use of portable.
- especially used in place of complex lines

## Working temperature:

Can continuous exposure to the high temperature of **560°C**, and from being damaged under the high temperature of **1650°C**, can withstand 15~30 seconds.

## Products specification:

width: 50-320mm

length: according to the site and customers requirements.

## TECHNICAL DATA

Width	Wall THICKNESS	TOLERANCE	ROLL LENGTH	G. W.
mm	mm	mm	m	kg
50	2	±0.20	25	11.5
65	2	±0.30	25	13.85
80	2	±0.40	25	16.43
95	2	±0.40	25	20
110	3	±0.50	25	24.9
125	3	±0.50	25	27.93
140	3	±0.80	25	34.3
157	3	±0.80	25	36
173	3.5	±1.00	20	33
188	3.5	±1.5	20	20.2
205	3.5	±1.5	20	21.8
220	3.5	±1.5	20	23.5
236	4	±1.5	15	20
250	4	±2	15	22
267	4	±2	15	23.8
283	4	±2	10	16.6
300	4	±2	10	17.7
315	4	±2	10	18.5