


**Siliconen slang recht**

<u>Inwendige Diameter</u>	<u>Uitwendige diameter</u>	<u>Lengte</u>	<u>Artikelnummer FlexInd</u>
10 mm	20 mm	1000 mm	601-01-010
13 mm	23 mm	1000 mm	601-01-013
16 mm	26 mm	1000 mm	601-01-016
19 mm	29 mm	1000 mm	601-01-019
22 mm	32 mm	1000 mm	601-01-022
25 mm	35 mm	1000 mm	601-01-025
28 mm	38 mm	1000 mm	601-01-028
30 mm	40 mm	1000 mm	601-01-030
32 mm	42 mm	1000 mm	601-01-032
35 mm	45 mm	1000 mm	601-01-035
38 mm	48 mm	1000 mm	601-01-038
40 mm	50 mm	1000 mm	601-01-040
42 mm	52 mm	1000 mm	601-01-042
45 mm	55 mm	1000 mm	601-01-045
48 mm	58 mm	1000 mm	601-01-048
51 mm	61 mm	1000 mm	601-01-051
55 mm	65 mm	1000 mm	601-01-055
57 mm	67 mm	1000 mm	601-01-057
60 mm	70 mm	1000 mm	601-01-060
65 mm	75 mm	1000 mm	601-01-065
70 mm	80 mm	1000 mm	601-01-070
76 mm	86 mm	1000 mm	601-01-076
80 mm	90 mm	1000 mm	601-01-080
102 mm	112 mm	1000 mm	601-01-102
114 mm	124 mm	1000 mm	601-01-114
120 mm	130 mm	1000 mm	601-01-120
127 mm	137 mm	1000 mm	601-01-127
140 mm	150 mm	1000 mm	601-01-140
152 mm	162 mm	1000 mm	601-01-152
160 mm	170 mm	1000 mm	601-01-160



## Flex Industrial Supplies

Unless otherwise stated, our standard Reinforced Silicone Rubber Hoses have 3 plies of Polyester reinforcement – this applies to all hoses up to an Internal Diameter of 50mm. For larger diameter hoses we use 4 plies of the same reinforcement to provide better pressure resistance. Our reinforced silicone hoses undergo extensive physical, chemical, and dynamic testing to perfectly match industry needs.

Temperature range: -70°F to +356°F (-56°C to +180°C)

Meets or Exceeds requirements SAEJ20 R4 Class A

Available with the option of Fluorosilicone Lining for added oil/ acids/ fuel resistance, or FKM/ Viton® lining for diesel combustion by-products/ exhaust gas recycle

**APPLICATIONS:** Coolant, Air, and Water transfer. Also suitable for polar liquids, such as polyhydric alcohols, low-molecular ketones. Silicone rubber has good resistance to aqueous solutions of weak acids, alkalis or salts, low concentrated coolants like glycols. Silicone Rubber has good resistance to Air, Ozone and UV radiation.

**NOT SUITABLE FOR:** non-polar liquids such as hydrocarbons, mineral oils and greases. Strongly attacked by concentrated acids and alkalis, particularly by oxidizing acids such as sulfuric or nitric acid. Also, Silicone Rubber is not suitable coolants containing high-concentration of ethyl-hexanoic acids and sebacate, or coolants with very high pH

### Burst Pressures of typical Silicone/Polyester Hoses:

<u>ID (mm)</u>	<u>Burst Pressure (Bar)</u>	<u>ID (mm)</u>	<u>Burst Pressure (Bar)</u>
6.00	41.2	38.00	13.9
8.00	38.6	45.00	11.2
12.00	28.5	50.80	10.2
15.00	22.3	55.00	9.5
18.00	21.1	63.00	7.9
22.00	17.8	70.00	6.8
25.00	16.7	75.00	6.1
28.00	16.1	89.00	5.5
32.00	14.7	102.00	5.0

\*Vacuum Pressures also available on demand

### Other Physical Properties:

Shore Hardness (Shore A)	70 +/-5
Tensile Strength (MPa)	7.08
Elongation at Break (%)	258
Compression Set (%) 70 hours at 125 C	21.3

### **Change in Properties following Heat-Ageing at 175 C for 70 hours.**

Change in Hardness (Shore A)	+3
% Change in Tensile Strength	-11.68
% Change in Elongation at Break	-22.76

Note: Hoses with Improved Results can be supplied (for example for higher temperature resistance) on customers' specific demand.