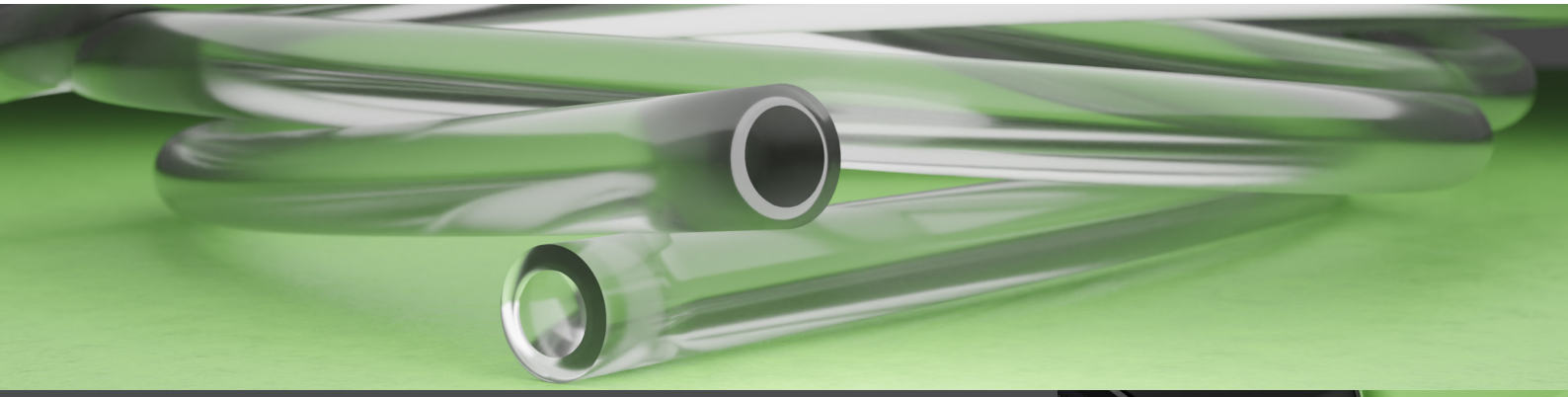
VERDERFLEX®



Silicone

- ✔ Platinum cured
- ✔ Great temperature resistance
- ✔ Translucent for sensitive applications

Silicone benefits from superior flexibility can maintain its flexibility over the lifespan of the part. This reduces the risk of hardening, splitting, or becoming dry rotted. When used in the correct applications silicone is able to last very long periods in harsh conditions, meaning reliability and longevity of your application.

Excellent resistance

One key advantage of silicone is its ability to withstand a wide range of temperatures, from -20ºC to 80ºC. Silicone is capable of being used to carry fluids at much higher temperatures that organic rubbers. It has a good range of standard mechanical properties that remain constant over a broad range of temperatures.

Visual profile

Transparency is a key advantage of silicone tubing. A clean and transparent finish is critical for medical, pharmaceutical, and other applications.

Features and Benefits

- Platinum cured
- Excellent low-temperature flexibility
- Good aging resistance (UV and Ozone)
- Dry, non stick surface
- Chemically inert
- Sterilisable

Compliance

- USP CLASS VI Approved
- FDA
- BfR XV Silicones regulations.
- EC1935/2004
- Ph Evr 3.1.9 Regulation
- RoHs

Silicone

Part Number	Tube ID	Wall Thickness	Description	Quantity/box
	[mm]	[mm]		[m]
460.0006.15	1,6	1,6	15m Roll Silicone 1.6 ID X 1.6 WT	15
460.0007.15	3,2		15m Roll Silicone 3.2 ID X 1.6 WT	15
460.0051.15	4,0		15m Roll Silicone 4.0 ID X 1.6 WT	15
460.0008.15	4,8		15m Roll Silicone 4.8 ID X 1.6 WT	15
460.0009.15	6,4		15m Roll Silicone 6.4 ID X 1.6 WT	15
460.0010.15	8,0		15m Roll Silicone 8.0 ID X 1.6 WT	15
460.0052.15	3,2	2,4	15m Roll Silicone 3.2 ID X 2.4 WT	15
460.0053.15	4,8		15m Roll Silicone 4.8 ID X 2.4 WT	15
460.1032.15	6,4		15m Roll Silicone 6.4 ID X 2.4 WT	15
460.0705.15	8,0		15m Roll Silicone 8.0 ID X 2.4 WT	15
460.1034.15	9,6		15m Roll Silicone 9.6 ID X 2.4 WT	15
460.0024.15	6,4	3,2	15m Roll Silicone 6.4 ID X 3.2 WT	15
460.0058.15	8,0		15m Roll Silicone 8.0 ID X 3.2 WT	15
460.0025.15	9,6		15m Roll Silicone 9.6 ID X 3.2 WT	15
460.0020.15	12,7		15m Roll Silicone 12.7 ID X 3.2 WT	15
460.0021.15	15,9		15m Roll Silicone 15.9 ID X 3.2 WT	15
460.0711.15	15,9	4,8	15m Roll Silicone 15.9 ID X 4.8 WT	15
460.0712.15	19,0		15m Roll Silicone 19.0 ID X 4.8 WT	15
460.0713.15	25,4		15m Roll Silicone 25.4 ID X 4.8 WT	15

Typical physical properties

Material	PC60 Platinum cured silicone
Hardness Shore A (5 secs)	60 Shore A +/-5 Shore
Colour	Translucent
Colour coding (on box)	Green
UV resistance	Excellent
Specific gravity	1.14
Water absorption	Low
Compression set %	35%
Elongation at break %	520%
Operating temperature	-20 °C to 85 °C -4 °F to 185 °F
Sterilisation methods	ϒ-irradiation ß-irradiation Steam 134°n** ETO treatment

Unless otherwise noted, all tests were conducted at room temperature 73°F (23°C). Values shown were determined on 0.075 in (1.905 mm) thick extruded strip or 0.075 in (1.905 mm) thick molded ASTM plaques or molded ASTM durometer buttons. Size of tubing tested is 1/8 in ID x 1/4 in OD.

Many factors will reduce the tubing's ability to withstand pressure, including temperature, chemical attack, stress, pulsation and the attachment to fittings. It is imperative that the user conduct tests.

VERDER
passion for pumps

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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct.
If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.