

TECHNICAL DATA SHEET

SILICONE RUBBER HOSE

PLATINUM CURED

POLYESTER BRAID REINFORCED



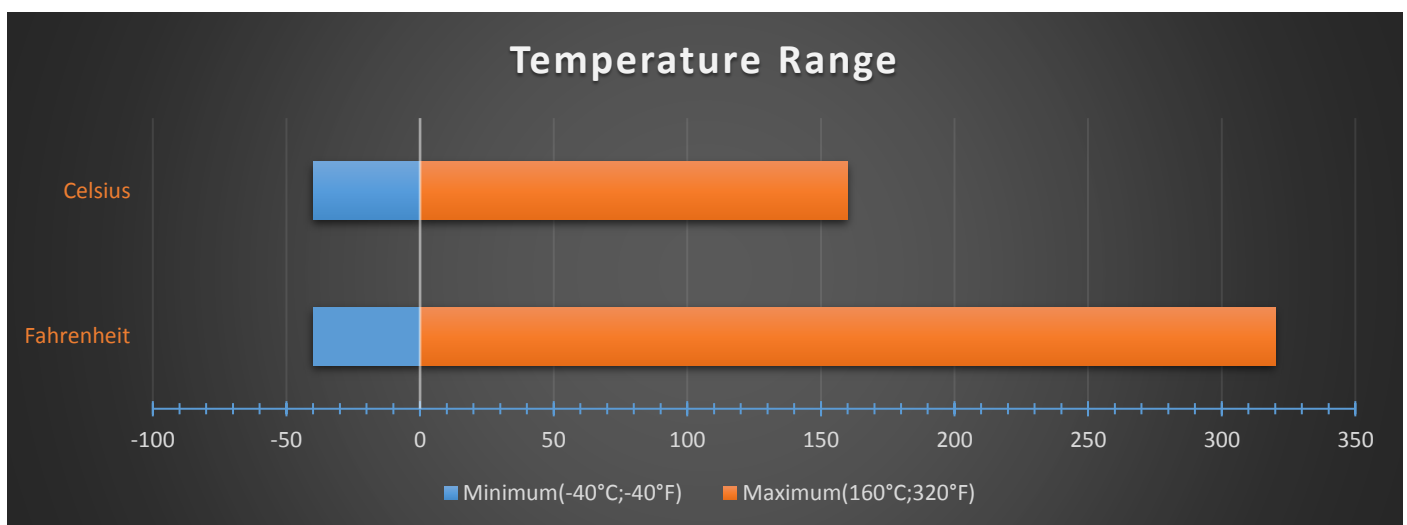
MATERIAL

Platinum Cured Silicone

AVAILABLE GRADES

70°shore A translucent from stock, other hardnesses and colours available on request

TEMPERATURE



Temperature range in air without pressure

GENERAL INFORMATION

The material of inner sleeve is according to Empfehlung XV BgVV, CFR 21, FDA 177.2600 and USP Class VI. For physiological status of coating please see detailed description.

Tolerance according ISO 1307, individual agreements possible. The burst pressure depends largely on the design of end connection for which MVQ Silicones GmbH is not responsible.

ENVIRONMENTAL RESISTANCE

Silicone rubber products have an excellent resistance to

- ❖ Ozone
- ❖ Oxidation
- ❖ Ultraviolet light
- ❖ Corona discharge
- ❖ Cosmic radiation
- ❖ Ionising radiation
- ❖ Weathering in general

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MVQ SILICONES GMBH

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AVAILABILITY FORMAT

Available from stock in 10 different sizes as listed below within the mechanical properties section below

TYPICAL APPLICATIONS

Hygienic transfer of fluids under pressure in the food, pharmaceutical, medical and a wide range of other industries.

MECHANICAL PROPERTIES

PROPERTY	VALUE
MVQ ARTICLE NUMBER	BHPLATC3x2.5
INNER DIAMETER (MM)	3.0 ± 0.2
WALL THICKNESS TOTAL (MM)	2.5 ± 0.2
INNER SLEEVE WALL (MM)	1.5
COLOUR	Translucent
NOMINAL HARDNESS	70°shore A
MATERIAL NUMBER	Silicone (VMQ) A 80
REINFORCEMENT	Polyester multifilament
COATING	Silicone (VMQ) A 60
COLOUR MATERIAL NUMBER	Please see detailed description
BURST PRESSURE AT RT, MEDIUM WATER**	60 bar

PROPERTY	VALUE
MVQ ARTICLE NUMBER	BHPLATC5x3.2
INNER DIAMETER (MM)	5.0 ± 0.3
WALL THICKNESS TOTAL (MM)	3.2 ± 0.3
INNER SLEEVE WALL (MM)	1.0
COLOUR	Translucent
NOMINAL HARDNESS	70°shore A
MATERIAL NUMBER	Silicone (VMQ) A 80
REINFORCEMENT	Polyester multifilament
COATING	Silicone (VMQ) A 60
COLOUR MATERIAL NUMBER	Please see detailed description
BURST PRESSURE AT RT, MEDIUM WATER**	40 bar

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PROPERTY	VALUE
MVQ ARTICLE NUMBER	BHPLATC6x2.95
INNER DIAMETER (MM)	6.0 ± 0.3
WALL THICKNESS TOTAL (MM)	2.95 ± 0.3
INNER SLEEVE WALL (MM)	1.75
COLOUR	Translucent
NOMINAL HARDNESS	70°shore A
MATERIAL NUMBER	Silicone (VMQ) A 80
REINFORCEMENT	Polyester multifilament
COATING	Silicone (VMQ) A 60
COLOUR MATERIAL NUMBER	Please see detailed description
BURST PRESSURE AT RT, MEDIUM WATER**	40 bar

PROPERTY	VALUE
MVQ ARTICLE NUMBER	BHPLATC6.35x3.2
INNER DIAMETER (MM)	6.35 ± 0.3
WALL THICKNESS TOTAL (MM)	3.2 ± 0.3
INNER SLEEVE WALL (MM)	2.0
COLOUR	Translucent
NOMINAL HARDNESS	70°shore A
MATERIAL NUMBER	Silicone (VMQ) A 80
REINFORCEMENT	Polyester multifilament
COATING	Silicone (VMQ) A 60
COLOUR MATERIAL NUMBER	Please see detailed description
BURST PRESSURE AT RT, MEDIUM WATER**	40 bar

PROPERTY	VALUE
MVQ ARTICLE NUMBER	BHPLATC8x3.2
INNER DIAMETER (MM)	8.0 ± 0.3
WALL THICKNESS TOTAL (MM)	3.2 ± 0.3
INNER SLEEVE WALL (MM)	2.0
COLOUR	Translucent
NOMINAL HARDNESS	70°shore A
MATERIAL NUMBER	Silicone (VMQ) A 80
REINFORCEMENT	Polyester multifilament
COATING	Silicone (VMQ) A 60
COLOUR MATERIAL NUMBER	Please see detailed description
BURST PRESSURE AT RT, MEDIUM WATER**	40 bar

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PROPERTY	VALUE
MVQ ARTICLE NUMBER	BHPLATC9.5x3.2
INNER DIAMETER (MM)	9.5
WALL THICKNESS TOTAL (MM)	3.2 ± 0.3
INNER SLEEVE WALL (MM)	2.0
COLOUR	Translucent
NOMINAL HARDNESS	70°shore A
MATERIAL NUMBER	Silicone (VMQ) A 80
REINFORCEMENT	Polyester multifilament
COATING	Silicone (VMQ) A 60
COLOUR MATERIAL NUMBER	Please see detailed description
BURST PRESSURE AT RT, MEDIUM WATER**	35 bar

PROPERTY	VALUE
MVQ ARTICLE NUMBER	BHPLATC12.5x3.2
INNER DIAMETER (MM)	12.5 ± 0.3
WALL THICKNESS TOTAL (MM)	3.2 ± 0.3
INNER SLEEVE WALL (MM)	2.0
COLOUR	Translucent
NOMINAL HARDNESS	70°shore A
MATERIAL NUMBER	Silicone (VMQ) A 80
REINFORCEMENT	Polyester multifilament
COATING	Silicone (VMQ) A 60
COLOUR MATERIAL NUMBER	Please see detailed description
BURST PRESSURE AT RT, MEDIUM WATER**	35 bar

PROPERTY	VALUE
MVQ ARTICLE NUMBER	BHPLATC16x4.8
INNER DIAMETER (MM)	16.0 ± 0.3
WALL THICKNESS TOTAL (MM)	4.8 ± 0.3
INNER SLEEVE WALL (MM)	3.0
COLOUR	Translucent
NOMINAL HARDNESS	70°shore A
MATERIAL NUMBER	Silicone (VMQ) A 80
REINFORCEMENT	Polyester multifilament
COATING	Silicone (VMQ) A 60
COLOUR MATERIAL NUMBER	Please see detailed description
BURST PRESSURE AT RT, MEDIUM WATER**	30 bar

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PROPERTY	VALUE
MVQ ARTICLE NUMBER	BHPLATC19x5.8
INNER DIAMETER (MM)	19.0 ± 0.4
WALL THICKNESS TOTAL (MM)	5.8 ± 0.3
INNER SLEEVE WALL (MM)	4.0
COLOUR	Translucent
NOMINAL HARDNESS	70°shore A
MATERIAL NUMBER	Silicone (VMQ) A 80
REINFORCEMENT	Polyester multifilament
COATING	Silicone (VMQ) A 60
COLOUR MATERIAL NUMBER	Please see detailed description
BURST PRESSURE AT RT, MEDIUM WATER**	25 bar

PROPERTY	VALUE
MVQ ARTICLE NUMBER	BHPLATC25x6
INNER DIAMETER (MM)	25.0 ± 0.4
WALL THICKNESS TOTAL (MM)	6.0 ± 0.3
INNER SLEEVE WALL (MM)	4.0
COLOUR	Translucent
NOMINAL HARDNESS	70°shore A
MATERIAL NUMBER	Silicone (VMQ) A 80
REINFORCEMENT	Polyester multifilament
COATING	Silicone (VMQ) A 60
COLOUR MATERIAL NUMBER	Please see detailed description
BURST PRESSURE AT RT, MEDIUM WATER**	15 bar

*Tolerances according to ISO 1307, individual requirements possible

**Burst pressure depends on connection type and condition of use for which MVQ Silicones GmbH is not responsible

Physiological properties: material of inner sleeve is according to Empfehlung XV BgVV, CFR 21, FDA 177.2600 and USP Class VI. For Physiological status of coating please see detailed description.

ACCREDITATIONS

- ❖ FDA compliant
- ❖ BfR compliant
- ❖ USP Class VI compliant
- ❖ REACH compliant
- ❖ RoHS compliant

ADDITIONAL INFORMATION

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