



MedFlex® SIL150

Biopharmaceutical grade platinum silicone tubing

Characteristic Description

MedFlex® SIL150 platinum cured silicone tubing is specifically developed for various critical liquid applications in biopharmaceutical industry, Its excellent internal surface smoothness can inhibit protein binding and bacterial growth. And it is convenient for sterilization and aseptic processing.

Platinum silicone tubing is a key component in many laboratory and biopharmaceutical applications, Mainly used for high-temperature steam sterilization, disposable reactors, cell culture, chromatography & filtration, peristaltic pump tubing, sampling and filling. Each box of MedFlex® SIL150 products sold is produced and packaged in a 10K class level clean room environment of ISO10993 & ISO13485 quality systems controls, comprehensive batch control is implemented from raw material receipt to finished products delivery.

Material properties

Main properties	Material testing methods	Value
Hardness Value (SHA)	D2240	53
Tensile strength, PSI (MPa)	D412	1150 (8)
Ultimate elongation, %	D412	580
Gravity	D792	1.14
Tear strength, lb-f/in (kN/m)	D624	175(30)
Color	-	translucent

Key Properties:

- Extreme low Smell & taste of Silica
- Longer peristaltic pump life
- Excellent flexible & bending radius
- Endure temp from -62 to 240 degree C
- Manufactured in 10K Class clean room
- Lowest TOC & lowest extractable

Typical Applications:

- Steam sterilization
- Sampling & Filling
- Peristaltic pump
- laboratory instrument
- Biopharmaceutical
- Cell culture

Regulations:

- Rohs & Reach
- FDA 21 CFR 177.2600
- USP 85,87,88,151,381&661
- ISO10993-3, 5, 10 &11
- European Pharmacopeia 3.1.9
- BPOG- E&L

Sterilization method

- Steam sterilization 134°C@60 mins
- Electron irradiation 25 to 50 kGy
- ETO



MedFlex® SIL150 Items Size List

Part No.	I.D. /inch	I.D. /mm	O.D./inch	O.D./mm	Wall/inch	Wall/mm	Length/meter	Metric NO.
AST-0031-0094	1/32	0.79	3/32	2.38	1/32	0.79	15 & 30	
AST-0063-0125	1/16	1.59	1/8	3.18	1/32	0.79	15 & 30	
AST-0063-0188	1/16	1.59	3/16	4.76	1/16	1.59	15 & 30	14#
AST-0094-0156	3/32	2.38	5/32	3.97	1/32	0.79	15 & 30	
AST-0094-0219	3/32	2.38	7/32	5.56	1/16	1.59	15 & 30	
AST-0125-0188	1/8	3.18	3/16	4.76	1/32	0.79	15 & 30	
AST-0125-0250	1/8	3.18	1/4	6.35	1/16	1.59	15 & 30	16#
AST-0125-0375	1/8	3.18	3/8	9.53	1/8	3.18	15 & 30	
AST-0156-0219	5/32	3.97	7/32	5.56	1/32	0.79	15 & 30	
AST-0188-0250	3/16	4.76	1/4	6.35	1/32	0.79	15 & 30	
AST-0188-0313	3/16	4.76	5/16	7.94	1/16	1.59	15 & 30	25#
AST-0188-0375	3/16	4.76	3/8	9.53	3/32	2.38	15 & 30	15#
AST-0188-0438	3/16	4.76	7/16	11.11	1/8	3.18	15 & 30	
AST-0250-0313	1/4	6.35	5/16	7.94	1/32	0.79	15 & 30	
AST-0250-0375	1/4	6.35	3/8	9.53	1/16	1.59	15 & 30	17#
AST-0250-0438	1/4	6.35	7/16	11.11	3/32	2.38	15 & 30	24#
AST-0250-0500	1/4	6.35	1/2	12.70	1/8	3.18	15 & 30	26#
AST-0313-0438	5/16	7.94	7/16	11.11	1/16	1.59	15 & 30	18#
AST-0313-0500	5/16	7.94	1/2	12.70	3/32	2.38	15 & 30	35#
AST-0375-0500	3/8	9.53	1/2	12.70	1/16	1.59	15 & 30	
AST-0375-0563	3/8	9.53	9/16	14.29	3/32	2.38	15 & 30	36#
AST-0375-0625	3/8	9.53	5/8	15.88	1/8	3.18	15 & 30	73#
AST-0438-0563	7/16	11.11	9/16	14.29	1/16	1.59	15 & 30	
AST-0438-0625	7/16	11.11	5/8	15.88	3/32	2.38	15 & 30	
AST-0500-0625	1/2	12.70	5/8	15.88	1/16	1.59	15	
AST-0500-0688	1/2	12.70	11/16	17.46	3/32	2.38	15	
AST-0500-0750	1/2	12.70	3/4	19.05	1/8	3.18	15	82#
AST-0625-0813	5/8	15.88	13/16	20.64	3/32	2.38	15	
AST-0625-0875	5/8	15.88	7/8	22.23	1/8	3.18	15	
AST-0750-1000	3/4	19.05	1	25.40	1/8	3.18	15	
AST-1000-1125	1	25.40	1 1/8	28.58	1/16	1.59	15	

Note: For other customized sizes, please inquire by phone.



NOTE: This document is intended to provide information about the product and possible applications, this document is not the product specification and does not provide specific features, nor does it guarantee product performance in specific applications. Medloop cannot anticipate or control the conditions of the field and for this reason strongly recommends that practical tests are conducted to ensure that the product meets the requirements of a specific application. MedFlex® is a trademark of Shanghai Medloop Material Technology Co, Ltd