



MedFlex® SIL250

Sanitary grade long pump life Pt silicone tubing

Characteristic Description

MedFlex® SIL250 platinum cured silicone longer pump life tubing is designed for critical fluid transfer application in medical and biopharmaceutical industry, its unique material formula and excellent internal surface finish can greatly extend the service life of pump tubing, general pump life reach to [100~150hrs.@600RPM](#). And it is convenient for sterilization and aseptic processing.

Peristaltic pump tubing is a key component in many laboratory and biopharmaceutical applications. Its excellent peristaltic pump tube performance is widely used for the transport of reagents and liquid medicine, split charging, filling, and help to minimize the risk of leaking during the fluid transmission. Each box of MedFlex® SIL250 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	62
Tensile strength, PSI (MPa)	D412	1350 (9)
Ultimate elongation, %	D412	450
Gravity	D792	1.15
Tear strength, lb-f/in (kN/m)	D624	185 (32)
Color	-	translucent

Key Properties:

- Designed for accurate pump tubing
- Excellent flexible & bending radius
- Endure temp from -62 to 240 degree C
- Manufactured in 10K Class clean room
- General pump life 120 hrs plus @600RPM

Typical Applications:

- Peristaltic pump
- Sampling & Filling
- Fluid transferring
- laboratory instrument
- Biopharmaceutical
- Cell culture

Regulations:

- Rohs & Reach
- FDA 21 CFR 177.2600
- USP 85,87,88,151,381,661&788
- 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® SIL250 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.
ASL-0031-0094	1/32	0.79	3/32	2.38	1/32	0.79	15 & 30	
ASL-0063-0125	1/16	1.59	1/8	3.18	1/32	0.79	15 & 30	
ASL-0063-0188	1/16	1.59	3/16	4.76	1/16	1.59	15 & 30	14#
ASL-0094-0156	3/32	2.38	5/32	3.97	1/32	0.79	15 & 30	
ASL-0094-0219	3/32	2.38	7/32	5.56	1/16	1.59	15 & 30	
ASL-0125-0188	1/8	3.18	3/16	4.76	1/32	0.79	15 & 30	
ASL-0125-0250	1/8	3.18	1/4	6.35	1/16	1.59	15 & 30	16#
ASL-0125-0375	1/8	3.18	3/8	9.53	1/8	3.18	15 & 30	
ASL-0156-0219	5/32	3.97	7/32	5.56	1/32	0.79	15 & 30	
ASL-0188-0250	3/16	4.76	1/4	6.35	1/32	0.79	15 & 30	
ASL-0188-0313	3/16	4.76	5/16	7.94	1/16	1.59	15 & 30	25#
ASL-0188-0375	3/16	4.76	3/8	9.53	3/32	2.38	15 & 30	15#
ASL-0188-0438	3/16	4.76	7/16	11.11	1/8	3.18	15 & 30	
ASL-0250-0313	1/4	6.35	5/16	7.94	1/32	0.79	15 & 30	
ASL-0250-0375	1/4	6.35	3/8	9.53	1/16	1.59	15 & 30	17#
ASL-0250-0438	1/4	6.35	7/16	11.11	3/32	2.38	15 & 30	24#
ASL-0250-0500	1/4	6.35	1/2	12.70	1/8	3.18	15 & 30	26#
ASL-0313-0438	5/16	7.94	7/16	11.11	1/16	1.59	15 & 30	18#
ASL-0313-0500	5/16	7.94	1/2	12.70	3/32	2.38	15 & 30	35#
ASL-0375-0500	3/8	9.53	1/2	12.70	1/16	1.59	15 & 30	
ASL-0375-0563	3/8	9.53	9/16	14.29	3/32	2.38	15 & 30	36#
ASL-0375-0625	3/8	9.53	5/8	15.88	1/8	3.18	15 & 30	73#
ASL-0438-0563	7/16	11.11	9/16	14.29	1/16	1.59	15 & 30	
ASL-0438-0625	7/16	11.11	5/8	15.88	3/32	2.38	15 & 30	
ASL-0500-0625	1/2	12.70	5/8	15.88	1/16	1.59	15	
ASL-0500-0688	1/2	12.70	11/16	17.46	3/32	2.38	15	
ASL-0500-0750	1/2	12.70	3/4	19.05	1/8	3.18	15	82#
ASL-0625-0813	5/8	15.88	13/16	20.64	3/32	2.38	15	
ASL-0625-0875	5/8	15.88	7/8	22.23	1/8	3.18	15	
ASL-0750-1000	3/4	19.05	1	25.40	1/8	3.18	15	
ASL-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