

Innovasil P 50



PLATINUM CURED SILICONE TUBING

A unique, specially formulated Pt-cured silicone tubing for the critical needs of the biopharmaceutical applications. Clear, flexible, and applicable for use in peristaltic pump.

USP VI

ISO 10993



Innovasil P 50

Innovasil P 50 is designed to facilitate fluid transfer in the biopharmaceutical manufacturing processes. Innovasil P 50 is a highly resistant platinum cured silicone tubing manufactured in ISO Class 7 clean room. Several dimensions are available to match the process requirements in term of flow rate and to be perfectly adapted to the peristaltic pump for maximum pumping efficiency.

Features

- Long pump life
- Low protein bonding
- Low gas permeation
- Dual bags package
- ISO Class 7 manufacturing
- Full validation studies
- 20 to 80C temperature range
- 50A durometer
- Customized size and length

Regulations

- ISO 10993
- USP 87/88 Class VI
- ADCF
- Drug Master File III
- Extractables studies
- FDA 21CFR 177.2600
- USP 788
- USP 661
- USP 85

Applications

- Cell culture media
- Cell fermentation
- Diagnostic equipment
- Pharmaceutical production
- Vaccine production
- Pinch valves
- Sterile filling and dispensing system

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Innovation Park, Leyu Town
Zhangjiagang, Suzhou, China

Innovasil® P 50 inventoried sizes

Model #	Tube #	I.D.		O.D.		Wall thickness		Length / Box*	
		(mm)	(Inch)	(mm)	(Inch)	(mm)	(Inch)	(M)	(Feet)
SP49-202-0079-0397	13#	0.79	1/32	3.97	5/32	1.59	1/16	15.2	50
SP49-202-0159-0318		1.59	1/16	3.18	1/8	0.79	1/32	15.2	50
SP49-202-0079-0238		0.79	1/32	2.38	3/32	0.79	1/32	15.2	50
SP49-202-0159-0635	119#	1.59	1/16	6.35	1/4	2.38	3/32	15.2	50
SP49-202-0159-0476	14#	1.59	1/16	4.76	3/16	1.59	1/16	15.2	50
SP49-202-0238-0556	19#	2.38	3/32	5.56	7/32	1.59	1/16	15.2	50
SP49-202-0318-0635	16#	3.18	1/8	6.35	1/4	1.59	1/16	15.2	50
SP49-202-0318-0794	120#	3.18	1/8	7.94	5/16	2.38	3/32	15.2	50
SP49-202-0476-0794	25#	4.76	3/16	7.94	5/16	1.59	1/16	15.2	50
SP49-202-0476-0953	15#	4.76	3/16	9.53	3/8	2.38	3/32	15.2	50
SP49-202-0635-0953	17#	6.35	1/4	9.53	3/8	1.59	1/16	15.2	50
SP49-202-0635-1111	24#	6.35	1/4	11.11	7/16	2.38	3/32	15.2	50
SP49-202-0635-1270	26#	6.35	1/4	12.70	1/2	3.18	1/8	15.2	50
SP49-202-0794-1111	18#	7.94	5/16	11.11	7/16	1.59	1/16	15.2	50
SP49-202-0794-1270	35#	7.94	5/16	12.70	1/2	2.38	3/32	15.2	50
SP49-202-0953-1270	96#	9.53	3/8	12.70	1/2	1.59	1/16	15.2	50
SP49-202-0953-1429	36#	9.53	3/8	14.29	9/16	2.38	3/32	15.2	50
SP49-202-0953-1588	73#	9.53	3/8	15.88	5/8	3.18	1/8	15.2	50
SP49-202-1111-1429		11.11	7/16	14.29	9/16	1.59	1/16	15.2	50
SP49-202-1270-1905	82#	12.70	1/2	19.05	3/4	3.18	1/8	15.2	50
SP49-102-1588-2540	89#	15.88	5/8	25.40	1	4.76	3/16	7.62	25
SP49-102-1905-2540		19.05	3/4	25.40	1	3.18	1/8	7.62	25
SP49-102-1905-2858	191#	19.05	3/4	28.58	1-1/8	4.76	3/16	7.62	25

*Other sizes and length can be customized

Innovasil® P 50 typical physical properties

Physical Properties	Test Method	Unit	Typical Value
Color	-		Transparent
Durometer, Shore A, 5 sec.	ASTM D 2240		50
Specific gravity	ASTM D 792		1.16
Working temperature	-	C	-20 to 80
UV resistance	-		Excellent
Vapor permeability	-		Low
Moisture absorption	-		Low
Tensile strength	ASTM D 412	Mpa	8.65
Elongation at 100%	ASTM D 412	%	720
Tear strength	ASTM D 624	kN/m	45
Compression set, 23C 22hrs.	ASTM D395-98-B	%	17
Sterilization methods	-		ETO, Gamma, Autoclave

Innovasil® P 50 chemical compatibility chart is available on www.innovapure.com or call Innovapure sales representative.



Important

It is the user's responsibility to ensure the suitability and safety of Suzhou Innovapure Co., Ltd. products for all intended uses. Laboratory and clinical tests must be conducted in accordance with applicable regulatory requirements in order to determine the safety and effectiveness for use of tubing in any particular application.

Innovasil P 65



PLATINUM CURED SILICONE TUBING

A unique, specially formulated Pt-cured silicone tubing for the critical needs of the biopharmaceutical applications. Clear, flexible, and applicable for use in peristaltic pump.

USP VI

ISO 10993



Innovasil P 65

Innovasil P 65 is designed to facilitate fluid transfer in the biopharmaceutical manufacturing processes. Innovasil P 65 is a highly resistant platinum cured silicone tubing manufactured in ISO Class 7 clean room. Several dimensions are available to match the process requirements in term of flow rate and to be perfectly adapted to the peristaltic pump for maximum pumping efficiency.

Features

- Long pump life
- Low protein bonding
- Low gas permeation
- Dual bags package
- ISO Class 7 manufacturing
- Full validation studies
- 20 to 80C temperature range
- 65A durometer
- Customized size and length

Regulations

- ISO 10993
- USP 87/88 Class VI
- ADCF
- Drug Master File III
- Extractables studies
- FDA 21CFR 177.2600
- USP 788
- USP 661
- USP 85

Applications

- Cell culture media
- Cell fermentation
- Diagnostic equipment
- Pharmaceutical production
- Vaccine production
- Pinch valves
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Innovation Park, Leyu Town
Zhangjiagang, Suzhou, China

Innovasil® P 65 inventoried sizes

Model #	Tube #	I.D.		O.D.		Wall thickness		Length / Box*	
		(mm)	(Inch)	(mm)	(Inch)	(mm)	(Inch)	(M)	(Feet)
SP59-202-0079-0397	13#	0.79	1/32	3.97	5/32	1.59	1/16	15.2	50
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SP59-202-0476-0794	25#	4.76	3/16	7.94	5/16	1.59	1/16	15.2	50
SP59-202-0476-0953	15#	4.76	3/16	9.53	3/8	2.38	3/32	15.2	50
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Innovasil® P 65 typical physical properties

Physical Properties	Test Method	Unit	Typical Value
Color	-		Transparent
Durometer, Shore A, 5 sec.	ASTM D 2240		65
Specific gravity	ASTM D 792		1.16
Working temperature	-	C	-20 to 80
UV resistance	-		Excellent
Vapor permeability	-		Low
Moisture absorption	-		Low
Tensile strength	ASTM D 412	Mpa	9.60
Elongation at 100%	ASTM D 412	%	630
Tear strength	ASTM D 624	kN/m	55
Compression set, 23C 22hrs.	ASTM D395-98-B	%	17.5
Sterilization methods	-		ETO, Gamma, Autoclave

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