

+ Innovaprene® P 60

Pharmaceutical grade peristaltic pump tubing*



Ultra-long peristaltic pump service life, peristaltic pump tubing that meets FDA, USP Class VI, USP 87, ISO 10993 biocompatibility standards.

Biopharma compliant peristaltic pump tubing

Pharmaceutical Grade

The P series has a low permanent compression deformation, which can ensure that the peristaltic pump can rebound to the original shape even if it is continuously squeezed during the long-term use of the peristaltic pump, ensuring the stability of the liquid transmission flow. At the same time, it adopts a specially developed formula that

complies with FDA USP Class VI, USP 87, ISO 10993 biocompatibility standards, has extremely high safety, and can be widely used in various high and low temperature environments (-60 degrees to 140 degrees), The field of manufacturing and production of biopharmaceuticals and cell culture.

+ Features

- Long peristaltic pump life
- Stable flow reduces frequent calibration
- Biocompatibility
- Beige UV resistant opaque
- Low gas permeability
- -60 degrees to 140 degrees use range
- Double-layer bag packaging, batch traceable
- Available in various metric and imperial sizes

+ Regulations & Certifications

- FDA 21CFR 177.2600
- USP 87
- USP Class VI
- ISO 10993
- ADCF

+ Application

- Peristaltic pumps in pharmaceutical production
- Disposable System Fluid Transfer
- vaccine production
- Medium transfer
- Filtration and purification buffer transfer
- Analytical equipment
- Industrial and Medical
- Peristaltic Pump Applications

* For compliance information, please consult Innovapure sales representative

+ Innovaprene® P 60 Typical Physical Properties

Physical Properties Table	Test Methods	Unit	Typical Value
Color	-		Beige
Shore A hardness, 5sec	ASTM D 2240		66
Density	ASTM D 792		0.97
Operating temperature		°C	-60°C to +140°C
Anti-UV			Excellent
Gas permeability			Medium
Water absorption			Low
Tensile strength at break	ASTM D 412	Mpa	6.70
Tensile elongation at break	ASTM D 412	%	620
Tear tensile strength	ASTM D1004-94	kN/m	40
Permanent compression set, 70°C22hrs	ASTM D395-98-B	%	18
Embrittlement temperature	ASTM D 746	°C	-40

+ Innovaprene® P 60 Inventoried Sizes*

*Other calibers, lengths or packing methods can be customized

Cat. No.	Model	ID (mm) (inch)	OD (mm) (inch)	Wall Thickness (mm) (inch)	Length Per Package ¹ (m) (foot)	Minimum Bending Radius	RECO Working Pressure ²	RECO Vacuum Pressure
PP50-202-0050-0150	Metric size	0.50	1.50	0.50	15.2 50	2mm		1.0bar
PP50-202-0079-0397	13#	0.79 1/32	3.97 5/32	1.59 1/16	15.2 50	3mm	6.8bar	1.0bar
PP50-202-0100-0200	Metric size	1.00	2.00	0.50	15.2 50	3mm		1.0bar
PP50-202-0150-0250	Metric size	1.50	2.50	0.50	15.2 50	3mm		1.0bar
PP50-202-0100-0300	Metric size	1.00	3.00	1.00	15.2 50	6mm		1.0bar
PP50-202-0159-0318		1.59 1/16	3.18 1/8	0.79 1/32	15.2 50	6mm	2.1bar	1.0bar
PP50-202-0159-0476	14#	1.59 1/16	4.76 3/16	1.59 1/16	15.2 50	6mm	2.9bar	1.0bar
PP50-202-0159-0635	119#	1.59 1/16	6.35 1/4	2.38 3/32	15.2 50			
PP50-202-0200-0400	Metric size	2.00	4.00	1.00	15.2 50			
PP50-202-0238-0556	19#	2.38 3/32	5.56 7/32	1.59 1/16	15.2 50	6mm	2.5bar	1.0bar
PP50-202-0300-0500	Metric size	3.00	5.00	1.00	15.2 50			
PP50-202-0318-0476		3.18 1/8	4.76 3/16	0.79 1/32	15.2 50	12mm	1.1bar	0.8bar
PP50-202-0318-0635	16#	3.18 1/8	6.35 1/4	1.59 1/16	15.2 50	12mm	1.6bar	1.0bar
PP50-202-0318-0794	120#	3.18 1/8	7.94 5/16	2.38 3/32	15.2 50			
PP50-202-0397-0714		3.97 5/32	7.14 9/32	1.59 1/16	15.2 50			
PP50-202-0476-0794	25#	4.76 3/16	7.94 5/16	1.59 1/16	15.2 50	19mm	1.1bar	1.0bar
PP50-202-0476-0953	15#	4.76 3/16	9.53 3/8	2.38 3/32	15.2 50	12mm	1.6bar	1.0bar
PP50-202-0635-0953	17#	6.35 1/4	9.53 3/8	1.59 1/16	15.2 50	22mm	0.9bar	1.0bar
PP50-202-0635-1111	24#	6.35 1/4	11.11 7/16	2.38 3/32	15.2 50	19mm	1.3bar	1.0bar
PP50-202-0635-1270	26#	6.34 1/4	12.70 1/2	3.18 1/8	15.2 50	19mm	1.6bar	1.0bar
PP50-202-0794-1111	18#	7.94 5/16	11.11 7/16	1.59 1/16	15.2 50	32mm	0.9bar	0.7bar
PP50-202-0794-1270	35#	7.94 5/16	12.70 1/2	2.38 3/32	15.2 50	25mm	1.0bar	1.0bar
PP50-202-0953-1270	96#	9.53 3/8	12.70 1/2	1.59 1/16	15.2 50	35mm	0.6bar	0.5bar
PP50-202-0953-1429	36#	9.53 3/8	14.29 9/16	2.38 3/32	15.2 50	38mm	0.9bar	1.0bar
PP50-202-0953-1588	73#	9.53 3/8	15.88 5/8	3.18 1/8	15.2 50	29mm	1.1bar	1.0bar
PP50-202-1111-1429		11.11 7/16	14.29 9/16	1.59 1/16	15.2 50	57mm	0.5bar	0.2bar
PP50-202-1270-1588		12.70 1/2	15.88 5/8	1.59 1/16	15.2 50	76mm	0.5bar	0.5bar
PP50-202-1270-1905	82#	12.70 1/2	19.05 3/4	3.18 1/8	15.2 50	29mm	0.9bar	1.0bar
PP50-202-1270-2223	88#	12.70 1/2	22.23 7/8	4.76 3/16	15.2 50	80mm	1.3bar	1.2bar
PP50-202-1588-2064		15.88 5/8	20.64 13/16	2.38 3/32	15.2 50	83mm	0.6bar	0.3bar
PP50-102-1588-2223	184#	15.88 5/8	22.23 7/8	3.18 1/8	7.62 25	70mm	0.8bar	0.7bar
PP50-102-1588-2540	89#	15.88 5/8	25.4 1	4.76 3/16	7.62 25			
PP50-102-1905-2540		19.05 3/4	25.4 1	3.18 1/8	7.62 25	89mm	0.6bar	0.5bar
PP50-102-1905-2858	191#	19.05 3/4	28.58 1-1/8	4.76 3/16	7.62 25			
PP50-102-1905-3175	91#	19.05 3/4	31.75 1-1/4	6.35 1/4	7.62 25			
PP50-102-2540-3175		25.40 1	31.75 1-1/4	3.18 1/8	7.62 25	127mm	0.5bar	0.2bar
PP50-102-2540-3493	92#	25.40 1	34.93 1-3/8	4.76 3/16	7.62 25			
PP50-102-2540-3810		25.40 1	38.10 1-1/2	6.35 1/4	7.62 25			

¹The recommended working pressure is the calculated value of the burst pressure measured by ASTM D1599 at a ratio of 1:4 at 23 degrees
For the detailed compatibility of Innovaprene™ P 60 with various chemical solvents, please refer to "Innovaprene® Product Chemical Compatibility Information Sheet" or consult our sales staff