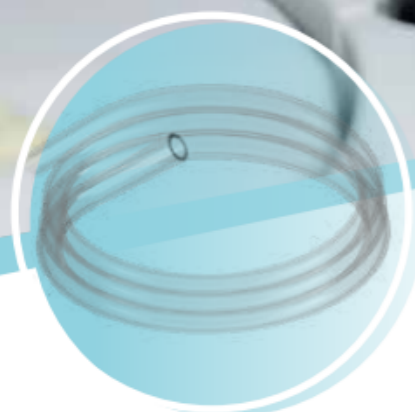


+ Innovalloy® 62V

Medical Grade Bilayer Tubing



Innovalloy 62V is specially developed for medical applications when corrosive chemicals are used. Benefit from specially design bilayer structure, inert inner layer provide superior chemical resistance while the tubing remains its clarity. It is widely used in diagnostic equipment and other IVD devices.

FDA

ISO 10993

Innovalloy 62V is a special fluid transmission tubing specially developed for medical applications such as medical infusion pumps, in vitro diagnostic equipment, medical dialysis equipment, respiratory equipment, and infusion equipment. It does not include any DEHP plasticizer and is suitable for various sterilization methods, with extensive safety certification and good biocompatibility. The tubing is colorless and highly transparent. Through the use of special formula, and

special processing technology to ensure the non-infiltration of the inner surface, effectively control the roughness, with an ultra-smooth inner surface, it can effectively reduce the liquid suspension and other liquid residue, reduce the absorption and pollution of the circulation medium, especially suitable for in vitro diagnostic equipment and other medical applications.

+ Features

- High transparency and clear
- Suitable for contact with human body fluids
- Non-DEHP
- Applicable to various sterilization methods
- Clean room production
- Shore D 50 hardness
- Available in various metric and imperial sizes

+ Compliance

- ISO 10993
- ADCF
- FDA 21CFR 177.2600
- RoHS & REACH

+ Application

- In Vitro Diagnostic Devices (IVD)
- Medical dialysis equipment
- Respiratory equipment
- Industrial equipment
- Ink printer

+ Innovalloy® 62V Typical Physical Properties

Physical Properties Table	Test Methods	Unit	Typical Value
Color	-		Colorless & transparent
Shore A hardness, 5sec	ASTM D 2240		82
Density	ASTM D 792		1.27
Operating temperature		°C	-50°C to +75°C
UV Resistance			Medium
Gas permeability			Low
Water absorption rate			Low
Tensile strength at break	ASTM D 412	Mpa	24.0
Tensile elongation at break	ASTM D 412	%	450
Tear tensile strength	ASTM D1004-94	kN/m	87
Permanent compression set, 70°C/22hrs	ASTM D395-98-B	%	35
Sterilization method			Damp heat, ethylene oxide, irradiation 25kGy

+ Innovalloy® 62V Categorized Sizes*

*Other calibers, lengths or packing methods can be customized

Cat. No.	Model	ID		OD		Wall Thickness		Length Per Package*		Minimum Bending Radius	RECO Working Pressure	RECO Vacuum Pressure
		(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(m)	(foot)			
A62V-201-0050-0150	Metric size	0.50		1.50		0.50		15.2	50	3mm		1.0bar
A62V-201-0079-0397	13#	0.79	1/32	3.97	5/32	1.59	1/16	15.2	50	3mm	8.6bar	1.0bar
A62V-201-0100-0200	Metric size	1.00		2.00		0.50		15.2	50	3mm		1.0bar
A62V-201-0150-0250	Metric size	1.50		2.50		0.50		15.2	50	3mm		1.0bar
A62V-201-0100-0300	Metric size	1.00		3.00		1.00		15.2	50	4mm		1.0bar
A62V-201-0159-0318		1.59	1/16	3.18	1/8	0.79	1/32	15.2	50	6mm	4.8bar	1.0bar
A62V-201-0159-0476	14#	1.59	1/16	4.76	3/16	1.59	1/16	15.2	50	3mm	8.6bar	1.0bar
A62V-201-0159-0635	119#	1.59	1/16	6.35	1/4	2.38	3/32	15.2	50			
A62V-201-0200-0350	Metric size	2.00		3.50		0.75		15.2	50	6mm		
A62V-201-0238-0556	19#	2.38	3/32	5.56	7/32	1.59	1/16	15.2	50	6mm	6.0bar	1.0bar
A62V-201-0300-0500	Metric size	3.00		5.00		1.00		15.2	50			
A62V-201-0318-0476		3.18	1/8	4.76	3/16	0.79	1/32	15.2	50	12mm	2.5bar	0.8bar
A62V-201-0318-0635	16#	3.18	1/8	6.35	1/4	1.59	1/16	15.2	50	10mm	4.8bar	1.0bar
A62V-201-0318-0794	120#	3.18	1/8	7.94	5/16	2.38	3/32	15.2	50			
A62V-201-0397-0714		3.97	5/32	7.14	9/32	1.59	1/16	15.2	50	13mm	3.8bar	1.0bar
A62V-201-0476-0794	25#	4.76	3/16	7.94	5/16	1.59	1/16	15.2	50	16mm	3.5bar	1.0bar
A62V-201-0476-0953	15#	4.76	3/16	9.53	3/8	2.38	3/32	15.2	50	3mm	4.8bar	1.0bar
A62V-201-0635-0953	17#	6.35	1/4	9.53	3/8	1.59	1/16	15.2	50	25mm	2.5bar	1.0bar
A62V-201-0635-1111	24#	6.35	1/4	11.11	7/16	2.38	3/32	15.2	50	19mm	3.9bar	1.0bar
A62V-201-0635-1270	26#	6.34	1/4	12.70	1/2	3.18	1/8	15.2	50	16mm	4.8bar	1.0bar
A62V-201-0794-1111	18#	7.94	5/16	11.11	7/16	1.59	1/16	15.2	50	35mm	2.1bar	0.5bar
A62V-201-0794-1270	35#	7.94	5/16	12.70	1/2	2.38	3/32	15.2	50	25mm	3.0bar	1.0bar
A62V-201-0953-1270	96#	9.53	3/8	12.70	1/2	1.59	1/16	15.2	50	35mm	1.8bar	0.3bar
A62V-201-0953-1429	36#	9.53	3/8	14.29	9/16	2.38	3/32	15.2	50	38mm	2.5bar	0.8bar
A62V-201-0953-1588	73#	9.53	3/8	15.88	5/8	3.18	1/8	15.2	50	29mm	3.4bar	1.0bar
A62V-201-1111-1429		11.11	7/16	14.29	9/16	1.59	1/16	15.2	50	57mm	1.8bar	0.3bar
A62V-201-1270-1588		12.70	1/2	15.88	5/8	1.59	1/16	15.2	50	73mm	1.6bar	0.2bar
A62V-201-1270-1905	82#	12.70	1/2	19.05	3/4	3.18	1/8	15.2	50	45mm	2.5bar	0.8bar
A62V-201-1270-2223	88#	12.70	1/2	22.23	7/8	4.76	3/16	15.2	50	80mm	2.8bar	1.2bar
A62V-201-1588-2064		15.88	5/8	20.64	13/16	2.38	3/32	15.2	50	76mm	2.1bar	0.8bar
A62V-201-1588-2223	184#	15.88	5/8	22.23	7/8	3.18	1/8	7.62	25	60mm	2.1bar	0.5bar
A62V-201-1588-2540	89#	15.88	5/8	25.4	1	4.76	3/16	7.62	25			
A62V-201-1905-2540		19.05	3/4	25.4	1	3.18	1/8	7.62	25	83mm	2.1bar	0.5bar
A62V-201-1905-2858	191#	19.05	3/4	28.58	1-1/8	4.76	3/16	7.62	25			
A62V-201-1905-3175	91#	19.05	3/4	31.75	1-1/4	6.35	1/4	7.62	25			
A62V-201-2540-3175		25.40	1	31.75	1-1/4	3.18	1/8	7.62	25	130mm	1.6bar	0.2bar
A62V-201-2540-3493	92#	25.40	1	34.93	1-3/8	4.76	3/16	7.62	25			
A62V-201-2540-3810		25.40	1	38.10	1-1/2	6.35	1/4	7.62	25			

*The 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 Innovalloy™ 62V with various chemicals, please refer to "Innovalloy® Product Chemical Compatibility Information Sheet" or consult sales representative.