Innovalene® MED 65

Medical Grade PVC Tubing

MED 65 is specially developed for medical applications such as medical infusion pumps, in vitro diagnostic equipment, medical dialysis equipment, respiratory equipment, infusion equipment, etc., especially suitable for applications in the medical field.

USP 87 ISO 10993

Innovalene MED 65 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 A 65 hardness
- Available in various metric and imperial sizes

Compliance

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

Application

- In Vitro Diagnostic Devices (IVD)
- Medical dialysis equipment
- Respiratory equipment
- Medical Infusion pump
- Medical peristaltic pump

Innovalene® MED 65 Typical Physical Properties

Physical Properties Table	Test Methods	Unit	Typical Value
Color	-		Colorless & transparent
Shore A hardness, 5sec	ASTM D 2240		65
Density	ASTM D 792		1.18
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	13.0
Tensile elongation at break	ASTM D 412	%	330
Tear tensile strength	ASTM D1004-94	kN/m	30
Permanent compression set, 70°C22hrs	ASTM D395-98-B	%	55
Sterilization method			Damp heat, ethylene oxide,irradiation 25kGy

Innovalene® MED 65 Categorized Sizes*

*Other calibers, lengths or packing methods can be customized

Cat. No.	Model	ID (mm)	ID (inch)	OD (mm)	OD (inch)	Wall Thickness (mm)	Wall Thickness (inch)	Length Per Package* (m)	Length Per Package* (foot)	Minimum Bending Radius	RECO Working Pressure*	RECO Vacuum Pressure
L306-201-0050-0150	Metric size	0.50		1.50		0.50		15.2	50	3mm		1.0bar
L306-201-0079-0397	13#	0.79	1/32	3.97	5/32	1.59	1/16	15.2	50	3mm	8.6bar	1.0bar
L306-201-0100-0200	Metric size	1.00		2.00		0.50		15.2	50	3mm		1.0bar
L306-201-0150-0250	Metric size	1.50		2.50		0.50		15.2	50	3mm		1.0bar
L306-201-0100-0300	Metric size	1.00		3.00		1.00		15.2	50	4mm		1.0bar
L306-201-0159-0318		1.59	1/16	3.18	1/8	0.79	1/32	15.2	50	6mm	4.8bar	1.0bar
L306-201-0159-0476	14#	1.59	1/16	4.76	3/16	1.59	1/16	15.2	50	3mm	8.6bar	1.0bar
L306-201-0159-0635	119#	1.59	1/16	6.35	1/4	2.38	3/32	15.2	50			
L306-201-0200-0400	Metric size	2.00		4.00		1.00		15.2	50	6mm		
L306-201-0238-0556	19#	2.38	3/32	5.56	7/32	1.59	1/16	15.2	50	6mm	6.0bar	1.0bar
L306-201-0300-0500	Metric size	3.00		5.00		1.00		15.2	50			
L306-201-0318-0476		3.18	1/8	4.76	3/16	0.79	1/32	15.2	50	12mm	2.5bar	0.8bar
L306-201-0318-0635	16#	3.18	1/8	6.35	1/4	1.59	1/16	15.2	50	10mm	4.8bar	1.0bar
L306-201-0318-0794	120#	3.18	1/8	7.94	5/16	2.38	3/32	15.2	50			
L306-201-0397-0714		3.97	5/32	7.14	9/32	1.59	1/16	15.2	50	13mm	3.8bar	1.0bar
L306-201-0476-0794	25#	4.76	3/16	7.94	5/16	1.59	1/16	15.2	50	16mm	3.5bar	1.0bar
L306-201-0476-0953	15#	4.76	3/16	9.53	3/8	2.38	3/32	15.2	50	3mm	4.8bar	1.0bar
L306-201-0635-0953	17#	6.35	1/4	9.53	3/8	1.59	1/16	15 2	50	25mm	2.5bar	1.0bar
L306-201-0635-1111	24#	6.35	1/4	11.11	7/16	2.38	3/32	15.2	50	19mm	3.9bar	1.0bar
L306-201-0635-1270	26#	6.34	1/4	12.70	1/2	3.18	1/8	15.2	50	16mm	4.8bar	1.0bar
L306-201-0794-1111	18#	7.94	5/16	11.11	7/16	1.59	1/16	15.2	50	35mm	2.1bar	0.5bar
L306-201-0794-1270	35#	7.94	5/16	12.70	1/2	2.38	3/32	15.2	50	25mm	3.0bar	1.0bar
L306-201-0953-1270	96#	9.53	3/8	12.70	1/2	1.59	1/16	15.2	50	35mm	1.8bar	0.3bar
L306-201-0953-1429	36#	9.53	3/8	14.29	9/16	2.38	3/32	15.2	50	38mm	2.5bar	0.8bar
L306-201-0953-1588	73#	9.53	3/8	15.88	5/8	3.18	1/8	15.2	50	29mm	3.4bar	1.0bar
L306-201-1111-1429		11.11	7/16	14.29	9/16	1.59	1/16	15.2	50	57mm	1.8bar	0.3bar
L306-201-1270-1588		12.70	1/2	15.88	5/8	1.59	1/16	15.2	50	73mm	1.6bar	0.2bar
L306-201-1270-1905	82#	12.70	1/2	19.05	3/4	3.18	1/8	15.2	50	45mm	2.5bar	0.8bar
L306-201-1270-2223	88#	12.70	1/2	22.23	7/8	4.76	3/16	15.2	50	80mm	2.8bar	1.2bar
L306-201-1588-2064		15.88	5/8	20.64	13/16	2.38	3/32	15.2	50	76mm	2.1bar	0.8bar
L306-101-1588-2223	184#	15.88	5/8	22.23	7/8	3.18	1/8	7.62	25	60mm	2.1bar	0.5bar
L306-101-1588-2540	89#	15.88	5/8	25.4	1	4.76	3/16	7.62	25			
L306-101-1905-2540		19.05	3/4	25.4	1	3.18	1/8	7.62	25	83mm	2.1bar	0.5bar
L306-101-1905-2858	191#	19.05	3/4	28.58	1-1/8	4.76	3/16	7.62	25			
L306-101-1905-3175	91#	19.05	3/4	31.75	1-1/4	6.35	1/4	7.62	25			
L306-101-2540-3175		25.40	1	31.75	1-1/4	3.18	1/8	7.62	25	130mm	1.6bar	0.2bar
L306-101-2540-3493	92#	25.40	1	34.93	1-3/8	4.76	3/16	7.62	25			
L306-101-2540-3810		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 Innovalene™ MED 65 with various chemical solvents, please refer to "Innovalene® Product Chemical Compatibility Information Sheet" or consult our sales staff