

+ Innovafluor® K

Viton® Peristaltic Pump Tubing Food Grade*

Viton® peristaltic pump tubing with Shore A 60 hardness complies with FDA food contact standards and is suitable for transporting various strong acids, alkalis and strong corrosive solutions.

Compliant with FDA food contact requirements

Food Grade

K series are low hardness Viton® peristaltic pump tubing. It has strong chemical resistance and corrosion resistance, which can ensure that the flow rate of the peristaltic pump can be kept stable even if it is continuously squeezed and corroded by corrosive liquids during the long-term use of the peristaltic pump. At the same time, it complies with the FDA 21CFR 177.2600 food contact standard and has extremely high safety. It can be widely used in various high and low temperature environments (-30 degrees to 200 degrees), food, beverages, strong acids and alkalis, and corrosive chemical reagents delivery, manufacturing and production process.

+ Features

- Low hardness suitable for peristaltic pumps
- Strong corrosion resistance
- Food contact safety
- Black UV resistant and opaque
- Low gas permeability
- -30 degrees to 200 degrees temperature range
- Suitable for 2-stop or 3-stop customization for micro pump
- Available in various metric and imperial sizes

+ Regulations & Certifications

- Compliant with FDA 21CFR 177.2600
- RoHS
- REACh

+ Application

- Peristaltic pump
- Medical equipment
- Gas transfer line
- Laboratory use
- 3D printer
- Semiconductor Industry
- Chemical processing
- Printing and dyeing

*For details of food contact compliance information, please consult an Innovaprene® sales representative
Viton® is trademark of Chemours

+ Innovafluor® K Typical Physical Properties

Physical Properties Table	Test Methods	Unit	Typical Value
Color	-		Black
Shore A hardness, 5sec	ASTM D 2240		60
Density	ASTM D 792		1.90
Operating temperature		℃	-30℃ to +200℃
UV Resistance			Excellent
Gas permeability			CO_2 38, O_2 14, N_2 15
Water absorption			Low
Tensile strength at break	ASTM D 412	Mpa	15.10
Tensile elongation at break	ASTM D 412	%	410
Tear tensile strength	ASTM D1004-94	kN/m	18
Permanent compression set, 70℃ 22hrs	ASTM D395-98-B	%	30
Embrittlement temperature	ASTM D 746	℃	-50

+ Innovafluor® K Inventoried 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
FK40-201-0050-0150	Metric size	0.50		1.50		0.50		15.2	50			
FK40-201-0079-0397	13#	0.79	1/32	3.97	5/32	1.59	1/16	15.2	50			
FK40-201-0100-0200	Metric size	1.00		2.00		0.50		15.2	50			
FK40-201-0150-0250	Metric size	1.50		2.50		0.50		15.2	50			
FK40-201-0100-0300	Metric size	1.00		3.00		1.00		15.2	50			
FK40-201-0159-0318		1.59	1/16	3.18	1/8	0.79	1/32	15.2	50			
FK40-201-0159-0476	14#	1.59	1/16	4.76	3/16	1.59	1/16	15.2	50			
FK40-201-0159-0635	119#	1.59	1/16	6.35	1/4	2.38	3/32	15.2	50			
FK40-201-0200-0400	Metric size	2.00		4.00		1.00		15.2	50			
FK40-201-0238-0556	19#	2.38	3/32	5.56	7/32	1.59	1/16	15.2	50			
FK40-201-0300-0500	Metric size	3.00		5.00		1.00		15.2	50			
FK40-201-0318-0476		3.18	1/8	4.76	3/16	0.79	1/32	15.2	50			
FK40-201-0318-0635	16#	3.18	1/8	6.35	1/4	1.59	1/16	15.2	50			
FK40-201-0318-0794	120#	3.18	1/8	7.94	5/16	2.38	3/32	15.2	50			
FK40-201-0397-0714		3.97	5/32	7.14	9/32	1.59	1/16	15.2	50			
FK40-201-0476-0794	25#	4.76	3/16	7.94	5/16	1.59	1/16	15.2	50			
FK40-201-0476-0953	15#	4.76	3/16	9.53	3/8	2.38	3/32	15.2	50			
FK40-201-0635-0953	17#	6.35	1/4	9.53	3/8	1.59	1/16	15 2	50			
FK40-201-0635-1111	24#	6.35	1/4	11.11	7/16	2.38	3/32	15.2	50			
FK40-201-0635-1270	26#	6.34	1/4	12.70	1/2	3.18	1/8	15.2	50			
FK40-201-0794-1111	18#	7.94	5/16	11.11	7/16	1.59	1/16	15.2	50			
FK40-201-0794-1270	35#	7.94	5/16	12.70	1/2	2.38	3/32	15.2	50			
FK40-201-0953-1270	96#	9.53	3/8	12.70	1/2	1.59	1/16	15.2	50			
FK40-201-0953-1429	36#	9.53	3/8	14.29	9/16	2.38	3/32	15.2	50			
FK40-201-0953-1588	73#	9.53	3/8	15.88	5/8	3.18	1/8	15.2	50			
FK40-201-1111-1429		11.11	7/16	14.29	9/16	1.59	1/16	15.2	50			
FK40-201-1270-1588		12.70	1/2	15.88	5/8	1.59	1/16	15.2	50			
FK40-201-1270-1905	82#	12.70	1/2	19.05	3/4	3.18	1/8	15.2	50			

For the detailed compatibility of Innovafluor™ K with various chemical solvents, please refer to the "Innovapure® Product Chemical Compatibility Information Sheet" or consult our sales staff