

# Innovalloy 4000



## INNOVAPURE

Innovate a Pure Solution

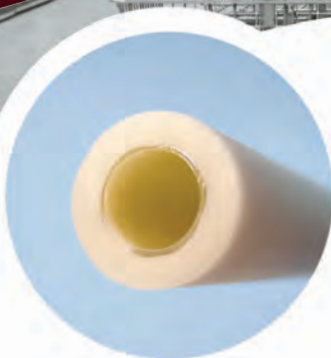
## CHEMICAL RESISTANT PUMP TUBING

Specially formulated inner inert layer provides excellent resistance to various aggressive chemicals and solvents

RoHS compliance

Industrial

Food



### Innovalloy 4000

Innovalloy 4000 is formulated with special bilayer tubing structure, in which inert inner layer provides excellent chemical resistance, whereas outer jacket with higher 70A durometer provides good combination of long pump life and low compression set. Innovalloy 4000 can be manufactured into beige and black color to meet different application needs.

### Features

- Long pump life
- Chemical resistance
- UV resistance
- Low gas permeation
- 50 to 80C temperature range
- 65A to 70A durometer
- Customized size and length

### Regulations

- REACH compliance
- RoHS compliance
- FDA 21CFR 177.2600

### Applications

- Peristaltic pump
- Vacuum pump
- Gas piping
- ink printer
- 3D printer
- Detergent dispersion

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## Innovalloy® 4000 inventoried sizes

Model #	Tube #	I.D.		O.D.		Wall thickness		Length / Box*	
		(mm)	(Inch)	(mm)	(Inch)	(mm)	(Inch)	(M)	(Feet)
A460-201-0159-0476	14#	1.59	1/16	4.76	3/16	1.59	1/16	15.2	50
A460-201-0318-0635	16#	3.18	1/8	6.35	1/4	1.59	1/16	15.2	50
A460-201-0476-0794	25#	4.76	3/16	7.94	5/16	1.59	1/16	15.2	50
A460-201-0635-0953	17#	6.35	1/4	9.53	3/8	1.59	1/16	15.2	50
A460-201-0635-1111	24#	6.35	1/4	11.11	7/16	2.38	3/32	15.2	50
A460-201-0953-1588	73#	9.53	3/8	15.88	5/8	3.18	1/8	15.2	50

\*Other sizes and length can be customized

## Innovalloy® 4000 typical physical properties

Physical Properties	Test Method	Unit	Typical Value
Color	-		Natural
Shore A, 5 sec.	ISO 868		70
Specific gravity	ISO 2781		0.97
Working temperature		C	up to 75C
UV resistance			Excellent
Vapor permeability			Low
Moisture absorption			Low
Tensile strength	ISO 37-2005	Mpa	7.20
Elongation at 100%	ISO 37-2005	%	400
Tear strength	D1004-94	kN/m	22
Compression set, 70C 22hrs.	D395-98-B	%	25
Brittle temperature	ISO 812	C	-60

## Innovalloy® 4000 chemical resistance properties

	Innovaprene® TPO tubing	Innovafleur® FKM	Innovalloy® Bilayer tubing	Innovasil® Silicone tubing
Ammonia hydroxide 30% in w.	E	X	E	X
Acetic acid, Glacial	G	X	E	X
Acetone	X	X	G	F
Acetic acid, 50% in w.	G	X	E	E
Methanol	E	X	E	G
Hydroquinol, 7% in w.	G	E	E	G
Silicone oil	F	E	E	X
Phosphoric acid, 25% in w.	E	E	E	X
Sulphuric acid, 50% in w.	E	E	E	G
Bleach liquor, 22% in w.	E	E	E	X
Alcohols general	E	X	E	G
Sodium hydroxide, 30% in w.	E	E	E	E
Detergent	G	E	E	E
Nitric acid, 35% in w.	E	F	E	X
Hydrochloric acid, 37% in w.	G	G	E	X
Ethanol	F	X	X	F

E Excellent  
G Good  
F Fair  
X Not recommended

Innovalloy® 4000 chemical compatibility chart is available on [www.innovapure.com](http://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.