

+ Innovalloy® 3000 Chemical Resistant Peristaltic Pump Tubing

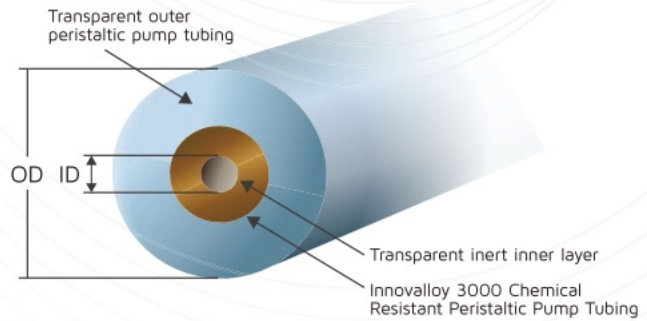
- Longest service life of Innovalene tubing material
- Excellent choice where peristaltic pump use and good chemical resistance is needed

Innovalloy 3000 is a sandwich structure peristaltic pump hose with a Shore A hardness of 70. It is colorless and transparent, has good resilience and good wear resistance, and is suitable for use in peristaltic pumps.

Innovalloy 3000 has a special formula, which has the characteristics of anti-migration, anti-swelling and anti-penetration for hydrocarbons, lubricants, petroleum solvents, fuels, coolants, etc. It can be widely used in small fuel-driven handheld devices, automobiles, printing and other industries.

Note

For detailed compatibility with various chemical solvents, please refer to "Innovaprene® Product Chemical Compatibility Information Sheet" or consult our sales personnel.



*Other calibers, lengths or packing methods can be customized

Cat. No.	Model	ID		OD		Wall Thickness		Per Package Length*	
		(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(m)	(foot)
A340-201-0050-0150	Metric size	0.50		1.50		0.50		15.2	50
A340-201-0079-0397	13#	0.79	1/32	3.97	5/32	1.59	1/16	15.2	50
A340-201-0100-0200	Metric size	1.00		2.00		0.50		15.2	50
A340-201-0150-0250	Metric size	1.50		2.50		0.50		15.2	50
A340-201-0100-0300	Metric size	1.00		3.00		1.00		15.2	50
A340-201-0159-0318		1.59	1/16	3.18	1/8	0.79	1/32	15.2	50
A340-201-0159-0476	14#	1.59	1/16	4.76	3/16	1.59	1/16	15.2	50
A340-201-0159-0635	119#	1.59	1/16	6.35	1/4	2.38	3/32	15.2	50
A340-201-0200-0400	Metric size	2.00		4.00		1.00		15.2	50
A340-201-0238-0556	19#	2.38	3/32	5.56	7/32	1.59	1/16	15.2	50
A340-201-0300-0500	Metric size	3.00		5.00		1.00		15.2	50
A340-201-0318-0476		3.18	1/8	4.76	3/16	0.79	1/32	15.2	50
A340-201-0318-0635	16#	3.18	1/8	6.35	1/4	1.59	1/16	15.2	50
A340-201-0318-0794	120#	3.18	1/8	7.94	5/16	2.38	3/32	15.2	50
A340-201-0397-0714		3.97	5/32	7.14	9/32	1.59	1/16	15.2	50
A340-201-0476-0794	25#	4.76	3/16	7.94	5/16	1.59	1/16	15.2	50
A340-201-0476-0953	15#	4.76	3/16	9.53	3/8	2.38	3/32	15.2	50
A340-201-0635-0953	17#	6.35	1/4	9.53	3/8	1.59	1/16	15.2	50
A340-201-0635-1111	24#	6.35	1/4	11.11	7/16	2.38	3/32	15.2	50
A340-201-0635-1270	26#	6.34	1/4	12.70	1/2	3.18	1/8	15.2	50
A340-201-0794-1111	18#	7.94	5/16	11.11	7/16	1.59	1/16	15.2	50
A340-201-0794-1270	35#	7.94	5/16	12.70	1/2	2.38	3/32	15.2	50
A340-201-0953-1270	96#	9.53	3/8	12.70	1/2	1.59	1/16	15.2	50
A340-201-0953-1429	36#	9.53	3/8	14.29	9/16	2.38	3/32	15.2	50
A340-201-0953-1588	73#	9.53	3/8	15.88	5/8	3.18	1/8	15.2	50
A340-201-1111-1429		11.11	7/16	14.29	9/16	1.59	1/16	15.2	50
A340-201-1270-1588		12.70	1/2	15.88	5/8	1.59	1/16	15.2	50
A340-201-1270-1905	82#	12.70	1/2	19.05	3/4	3.18	1/8	15.2	50
A340-201-1270-2223	88#	12.70	1/2	22.23	7/8	4.76	3/16	15.2	50
A340-201-1588-2064		15.88	5/8	20.64	13/16	2.38	3/32	15.2	50
A340-101-1588-2223	184#	15.88	5/8	22.23	7/8	3.18	1/8	7.62	25
A340-101-1588-2540	89#	15.88	5/8	25.4	1	4.76	3/16	7.62	25
A340-101-1905-2540		19.05	3/4	25.4	1	3.18	1/8	7.62	25
A340-101-1905-2858	191#	19.05	3/4	28.58	1-1/8	4.76	3/16	7.62	25
A340-101-1905-3175	91#	19.05	3/4	31.75	1-1/4	6.35	1/4	7.62	25
A340-101-2540-3175		25.40	1	31.75	1-1/4	3.18	1/8	7.62	25
A340-101-2540-3493	92#	25.40	1	34.93	1-3/8	4.76	3/16	7.62	25
A340-101-2540-3810		25.40	1	38.10	1-1/2	6.35	1/4	7.62	25

+ Innovalloy® 3000 Product Specification Peristaltic Pump Tubing

Feature	<ul style="list-style-type: none"> • Stable flow, can be used with peristaltic pumps • Chemical resistance, resistance to dye, fuel oil, lubricant, etc. • Colorless and transparent • Temperature range from -35 degrees to 75 degrees, can be sterilized once • RoHS and REACH compliant 														
Caution	<ul style="list-style-type: none"> • Avoid high temperature • Avoid high pressure 														
Material	<ul style="list-style-type: none"> • Thermoplastic elastomer • Composite forest material 														
Operating temperature range	-35 °C to +75C														
Physical properties	<table border="0"> <tr> <td>Color</td> <td>Colorless & transparent</td> </tr> <tr> <td>Shore A Hardness ASTM D 2240</td> <td>70A</td> </tr> <tr> <td>Density ASTM D792</td> <td>0.89g/cm³</td> </tr> <tr> <td>Tensile Strength at Break ASTM D 412</td> <td>8.5 MPa</td> </tr> <tr> <td>Tensile Elongation ASTM D 412</td> <td>1000 %</td> </tr> <tr> <td>Tear Strength ASTM D 1004-94</td> <td>38 N/mm</td> </tr> <tr> <td>Permanent Compression Set 70°C 22Hrs ASTM D 395</td> <td>41%</td> </tr> </table>	Color	Colorless & transparent	Shore A Hardness ASTM D 2240	70A	Density ASTM D792	0.89g/cm ³	Tensile Strength at Break ASTM D 412	8.5 MPa	Tensile Elongation ASTM D 412	1000 %	Tear Strength ASTM D 1004-94	38 N/mm	Permanent Compression Set 70°C 22Hrs ASTM D 395	41%
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Regulations and Certifications	RoHS, REACH														
Sterilization	125 degrees 30 minutes damp heat sterilization single time ETO ethylene oxide sterilized single-shot 25kGy irradiation sterilization single time														
Gas permeability	$\frac{\text{Gas volume [cm}^3\text{]} \times \text{wall thickness [mm]}}{\text{Inner Diameter Sectional Area [cm}^2\text{]} \times \text{Time [sec]}} \times 10^{10}$ <p>CO₂ 100 O₂ 22 N₂ 12 x Pressure drop along pipe wall [cm Hg]</p>														
Odor Toxicity	none														
Theoretical service life	at 0 bar life 800 hrs at 0.7 bar 400hrs														