

SaniSure® Tubing Program

Pharma-Line™ I Series

Thermoplastic (TPV) Peristaltic Pump Tubing

Key Features

- Thermoplastic vulcanite (TPV)
- Opaque
- Excellent Pump Performance
- Good Chemical Resistance
- Tasteless, odorless
- Contains no phthalate plasticizers or peroxides that can leach out into process fluid
- Sterilization Methods: autoclave, gamma radiation, and chemical sterilants
- Hardness: durometer 68 Shore A
- Packaging: Double bagged 4 MIL Film with box liner



Applications

- Peristaltic Pumps
- Pinch Valves
- Filling
- Bioreactor process lines
- Fluid transfer
- Diagnostics and laboratory testing

Compliance

- US Pharmacopeia 43, National Formulary 38 (USP), General Chapter <88> Class VI Biological Reactivity Tests, In Vivo (2020)
- ISO 10993 (various parts)
- USP 661.2
- Request our comprehensive extractables and biocompatibility study for this product: sanisure.com/resources

Physical	Typical Values
Specific Gravity	0.952
Hardness (Shore A, at 10 Sec)	70
Tensile Stress ²	–
Across Flow: 100% Strain	365 psi
Flow: 100% Strain, 70°F	540 psi
Tensile Strength 2, 3	–
Across Flow: 100% Strain, 7	588 psi
Flow: 100% Strain, 73°F	697 psi
Tensile Elongation 2, 3	290%
Across Flow: Break 73°F	290%
Flow: Break 73°F	240%
Compression Set	–
72°F, 22.0 Hours	17%
158°F, 22.0 Hours	41%
212°F, 22.0 Hours	51%



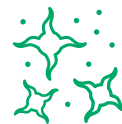
Excellent Pump
Life



Good Chemical
Resistance



Kink Resistant



Gamma-Irradiation &
Autoclave Compatible



Safe Disposal
Through Incineration



Bio-Compatible

Pharma-Line™ I – Sizing Chart Standard Offerings

Part Number	Pump Size	Nominal Bore		Wall Thickness		OD		Coil (feet/meter)	Spool (feet/meter)
		(inch)	(mm)	(inch)	(mm)	(inch)	(mm)		
PHI-031X156-**	13.1	0.031	0.8	0.063	1.6	0.156	4.0	50/15	Consult Factory
PHI-063X187-**	14.1	0.063	1.6	0.062	1.6	0.187	4.8	50/15	Consult Factory
PHI-063X250-**	29.4	0.063		0.094	2.4	0.250		50/15	Consult Factory
PHI-093X218-**		0.094	2.4	0.063	1.6	0.219	5.6	50/15	Consult Factory
PHI-125X250-**	16.1	0.125	3.2	0.063	1.6	0.250	6.4	50/15	500/152
PHI-125X313-**	29.4	0.125	3.2	0.094	2.4	0.313	8.0	50/15	Consult Factory
PHI-187X375-**	15.1	0.187	4.8	0.094	2.4	0.375	9.6	50/15	Consult Factory
PHI-187X437-**		0.187	4.8	0.125	3.2	0.438	11.2	50/15	Consult Factory
PHI-250X375-**	17.1	0.250	6.4	0.063	1.6	0.375	9.6	50/15	Consult Factory
PHI-250X437-**	24.1	0.250	6.4	0.094	2.4	0.438	11.2	50/15	300/92
PHI-250X500-**	26.1	0.250	6.4	0.125	3.2	0.500	12.7	50/15	Consult Factory
PHI-313X437-**	18.1	0.313	8.0	0.063	1.6	0.438	11.2	50/15	Consult Factory
PHI-315X630-**		0.315	8.0	0.157	4.0	0.630	16.0	50/15	Consult Factory
PHI-313X500-**	4.2	0.313	8.0	0.094	2.4	0.500	12.7	50/15	Consult Factory
PHI-375X562-**	5.2	0.375	9.6	0.094	2.4	0.563	14.4	50/15	Consult Factory
PHI-375X625-**	13.3	0.375	9.6	0.125	3.2	0.625	16.0	50/15	150/46
PHI-472X787**		0.472	12.0	0.157	4.0	0.787	20.0	50/15	Consult Factory
PHI-500X750-**	22.3	0.500	12.7	0.125	3.2	0.750	19.0	50/15	150/46
PHI-500X875-**		0.500	12.7	0.188	4.8	0.875	22.3	50/15	Consult Factory
PHI-625X875-**	2.7	0.625	15.9	0.125	3.2	0.875	22.3	50/15	Consult Factory
PHI-625X1000-**	28.3	0.625	15.9	0.188	4.8	26.9	25.5	50/15	Consult Factory
PHI-630X945-**		0.630	16.0	0.157	4.0	0.945	24.0	50/15	Consult Factory
PHI-750X1125-**	30.3	0.750	19.0	0.188	4.8	29.1	28.6	50/15	Consult Factory
PHI-1000X1375-**	1.4	26.9	25.4	0.188	4.8	6.10	35.0	50/15	Consult Factory
PHI-3MMx7MM-**			3.1		2.1		7.1	50/15	Consult Factory
PHI-6MMx12MM-**			6.1		3.1		12.1	50/15	Consult Factory
PHI-8MMx16MM-**			8.1		4.1		16.1	50/15	Consult Factory
PHI-10MMx17MM-**			10.1		3.5		17.1	50/15	Consult Factory

Cross sectional tolerance: RMA E1

Note: Please contact our quality department for the most up-to-date regulatory information. Specifications in this document are subject to change without notice.

Spooled tubing may exhibit a slight ovality toward the core of the spool.

Due to the critical nature of concentricity in peristaltic pumping applications, coils or cut lengths are generally recommended where peristaltic pumps are used.

