TPV

High Performance Peristaltic Pump Tubing

CLARIPURE®
A NEUMO Ehrenberg Group Enterprise

Multiple Autoclave Cycles USP Class VI Low Particulate
Lot and Batch Traceable Superior Pump Life

Superior Performance in Peristaltic Pump Applications

Our Peristaltic Pump tubing was specifically developed to provide superior performance in peristaltic pump applications. Manufactured from virgin, medical-grade TPV, and homogeneously extruded to precise dimensional tolerances, it provides an excellent alternative to silicone tubing, especially when chemical resistance is a concern. Peristaltic Pump meets today's most stringent cytotoxicity and extractability requirements for critical pharmaceutical process applications. It is also recommended for most biological process fluids.

CLARIPURE®'s Peristaltic Pump Tubing is available in a wide range of sizes to facilitate use in most major peristaltic pump manufactures.

Benefits

- Superior Pump Life
- Excellent Chemical Resistance
- Low Particle Spallation
- Non Hemolytic
- Low Permeability
- Medical Grade Material
- Autoclavable
- Available in a wide Range of Sizes
- Temperature Range: -60°F to 270°F

Benefits

- Meets USP Class VI Testing
- ISO 10993 Parts 4 and 5
- Drug Master File
- Title 21 CFR 177.2600
- BSE/TSE Compliant
- REACH Compliant
- RoHs Compliant

Applications

- Diagnostic Equipment
- Peristaltic Pumps
- Bio Reactor Process Lines
- Buffer Solutions (acids and bases)
- CIP Chemical Transfer Purification Lines
- Sterile filling
- Vaccine Production

Sterilization

- Autoclave
- Clean In Place (CIP)
- Ethylene Oxide (ETO)
- Gamma Irradiation

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Material Properties	Value (English)	Value (SI)	Test Method
Specific Gravity	0.97	0.97	ASTM D792
Durometer, Shore A (5 sec.)	68	68	ASTM D2240
Compression Set (22 hr.)	16%	16%	ASTM D395B
Tensile Elongation - Across Flow: Break @STP	307%	307%	ASTM D412
Tensile Stress - Flow: 100% Strain @ STP	530psi	3.65Mpa	ASTM D412
Tensile Strength - Flow: Break @STP	720psi	5.0MPa	ASTM D412
Tear Strength - Flow: Break 70 @STP	207lbf/in	36kN/m	ASTM D624
Color	Cream		

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Standard Sizes

**Standard length Coils 20', 50', 100'*
** Clean-packed spools available on custom basis*

Pump Size	ID	OD	Wall
	1/32"	3/32"	1/32"
#13	1/32"	5/32"	1/16"
	1/16'	1/8"	1/32"
#14	1/16"	3/16"	1/16"
	1/16"	1/4"	3/32"
	1/8"	3/16"	1/32"
#16	1/8"	1/4"	1/16"
	1/8"	5/16"	3/32"
	1/8"	3/8"	1/8"
#03, #25	3/16"	5/16"	1/16"
#15	3/16"	3/8"	3/32"
	3/16"	7/16"	1/8"
	3/16"	1/2"	5/32"
#17	1/4"	3/8"	1/16"
#24	1/4"	7/16"	3/32"
#26	1/4"	1/2"	1/8"
	5/16"	3/8"	1/32"
#18	5/16"	7/16"	1/16"
#35	5/16"	1/2"	3/32"
#96	3/8"	1/2"	1/16"
#73	3/8"	9/16"	3/32"
#81	3/8"	5/8"	1/8"
	3/8"	3/4"	3/16"
#82	1/2"	3/4"	1/8"
	1/2"	7/8"	3/16"
	5/8"	3/4"	1/16"
	5/8"	13/16"	3/32"
	5/8"	7/8"	1/8"
#89	5/8"	1"	3/16"
	3/4"	1-1/16"	5/32"
	3/4"	1-5/32"	13/64"
	3/4"	1" 1/8"	
#90, #191	3/4"	1-1/8"	3/16"
	1.00"	1-1/4"	1/8"

Metric Sizes

**Standard length Coils 20', 50', 100'*
** Clean-packed spools available on custom basis*

Pump Size	ID	OD	Wall
#112	.5MM	3.7MM	1.6MM
#13	.8MM	4MM	1.6MM
#144	1.6MM	8MM	1.6MM
#119	3.2MM	6.4MM	1.6MM
#16	3.2MM	6.4MM	1.6MM
#120	3.2MM	8MM	2.4MM
#25	4.8MM	8MM	1.6MM
#15	4.8MM	9.6MM	2.4MM
#123	4.8MM	11.2MM	3.2MM
#17	6.4MM	9.6MM	1.6MM
#24	6.4MM	11.2MM	2.4MM
#26	6.4MM	12.8MM	3.2MM
#18	8MM	11.2MM	1.6MM
#121	8MM	12.8MM	2.4MM
#185	8MM	16MM	4MM
#122	9.6MM	14.4MM	2.4MM
#73	9.6MM	16MM	3.2MM
#190	9.6MM	19.2MM	4.8MM
#186	12MM	20MM	4MM
#82	12.8MM	18.8MM	3.2MM
#88	12.7MM	22.3MM	4.8MM
#184	15.9MM	22.3MM	3.2MM
#189	15.9MM	29.5MM	4.8MM
#187	16MM	24MM	4MM
#191	19MM	8.6MM	4.8MM

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