



## Phthalate-Free Vinyl Superior Biocompatibility      Excellent Flexibility

Most vinyl tubing sold today contains Phthalate additives such as DEHP. Phthalate are known to present increased health and environmental risks.

Our Phthalate-Free Vinyl Tubing has been developed to address the growing trend away from this type of plasticizer. Phthalate-Free Vinyl Tubing complies with California EPA standards, EU's REACH (article 33.1) and RoHS regulations. It also fully complies with the requirements of the USP Class VI, is non-pyrogenic and non-hemolytic. Consider using Phthalate-Free Vinyl Tubing for any application where you are using Phthalate plasticized PVC. It has superior clarity, biocompatibility, and is friendlier to the environment at time of disposal.

### Sizing Chart

Property	Nominal Value	Unit	Test Method
Density-Specific Gravity	1.19	SP GR/23 C	ASTM D792
<b>Mechanical</b>			
Tensile Strength	100% Strain: 750	PSI	ASTM D638
Tensile Strength @ Yield	1930	PSI	ASTM D638
Tensile Elongation @ Break	430	%	ASTM D638
<b>Hardness</b>			
Durometer	70	A Scale - 15 sec	ASTM D2240
<b>Thermal</b>			
Brittle Temperature	-34.6	°F	ASTM D74
Temperature Range	min -58/max 165	°F	

### Quality Standards

- 21 CFR Part 175.300
- 21 CFR Part 181.27
- 21 CFR Part 178.2010
- 21 CFR Part 178.3297
- USP Class VI
- REACH Compliant
- ROHS Compliant
- Meets USDA and 3A
- BSE/TSE Compliant

### Applications

- Laboratory Research
- Pharmaceutical
- Biologics
- Medical Device

### Sterilization

- Autoclave, Ethylene Oxide and Gamma Irradiation



## Sizing Chart

ID	OD
1/32"	1/16"
1/32"	3/32"
1/16"	1/8"
3/32"	5/32"
.118"	.157"
.120"	.170"
1/8"	3/16"
1/8"	1/4"
5/32"	1/4"
5/32"	7/32"
3/16"	5/16"
3/16"	3/8"
3/16"	7/16"
1/4"	3/8"
1/4"	7/16"
1/4"	1/2"
5/16"	7/16"
3/8"	1/2"
3/8"	9/16"
3/8"	5/8"
1/2"	5/8"
1/2"	11/16"
1/2"	3/4"
1/2"	1"
9/16"	3/4"
5/8"	7/8"
5/8"	1"
11/16"	15/16"
3/4"	1"
3/4"	1 1/16"
3/4"	1 1/8"
7/8"	1 1/8"
1"	1 1/8"
1"	1 1/4"
1"	1 3/8"

This information provided by Neumo is deemed to be accurate; however, it should be used only as a general reference to aid in product selection. Please note: a material's properties may be affected greatly by temperature, operating pressure, concentration, and the presence of other chemicals. Ultimately, the consumer must determine the compatibility of any material based on tests done under their particular process conditions.



**NEUMO**  
**SINGLE USE**  
 BIOPROCESSING  
 NEUMO Ehrenberg Group

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