



MD55-NP-PVC

Medical Grade - High Molecular Weight PVC Tubing



Product Description

Grayline MD55-NP-PVC is a clear flexible tubing made from an ultra-high molecular weight, non-phthalate, high purity grade vinyl compound that is suitable for use in peristaltic pump applications. This material has a soft, rubber-like feel and can withstand gamma radiation, EtO (Ethylene Oxide) and autoclave sterilization methods.

*Standard Packaging: Reels or Cut to Customer Specifications.
Standard Color: Clear Blue Tint*

Specifications

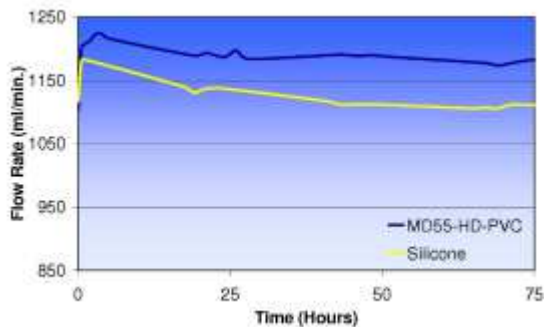
- FDA CFR Title 21 (Material Only)
- EU Directive 2000/53/EC(ELV)
- EU Directive 2011/65/EU (RoHS2)

Features

- Operating Temperature is -45° to 60°C
- Low Temperature Flexibility
- Non-DEHP & Non-Phthalate Plasticizer
- Lead Free

PROPERTY	TYPICAL VALUE	TEST METHOD
Durometer Hardness, Shore A (15 Seconds)	55	ASTM D2240
Tensile Strength (psi)	1,500	ASTM D412
Elongation (%)	400	ASTM D412
Specific Gravity	1.16	ASTM D792
Compression Set		ASTM D395
73°F, 22.0 hr	14%	
158°F, 22.0 hr	56%	
212°F, 22.0 hr	61%	
Tear Resistance, Die C (lb)	155	ASTM D1004

Peristaltic Pump Tubing - Material Comparison Graph



- Tubing Dimensions: 1/4" ID x 7/16" OD
- Test Temperature: 73°F (23°C)
- 2-Roller Peristaltic Pump operating at 100 RPM

The values listed in this bulletin, to the best of our knowledge, are accurate. They are typical performance results and are not intended to be used as design data. We disclaim all liability in connection with the use of information contained herein or otherwise.

All Grayline products meet the specifications listed. Grayline medical tubing products are sold upon condition that purchasers shall make their own assessment of suitability of specific tubing products for their particular application or use. Purchasers assume all risks and liability for the use of these products, including use in accordance with the seller's recommendations. Grayline tubing is not intended for use as an implant material.