



MD65-PVC

Medical Grade PVC Tubing



Product Description

Grayline MD65-PVC is a non-toxic flexible tubing that is made from a high purity grade vinyl compound. The soft material is very flexible and ideal for installation over barbed fittings or around sharp radius curves. MD65-PVC can be used in a wide variety of medical applications and can withstand EtO (Ethylene Oxide) and autoclave sterilization methods.

Standard Packaging: Reels or Cut to Customer Specifications.

Standard Color: Clear

Custom Colors and Sizes Available Upon Request

Specifications

- EU Directive 2000/53/EC (ELV)
- EU Directive 2011/65/EU RoHS2)
- EU Directive 2015/863 (RoHS3)

Features

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

PROPERTY	TYPICAL VALUE	TEST METHOD
Durometer Hardness, Shore A (15 Seconds)	65	ASTM D2240
Tensile Strength (psi)	1,700	ASTM D412
Elongation (%)	375	ASTM D412
Specific Gravity	1.17	ASTM D792
Brittleness Temperature, Pass °C	-40	ASTM D746

ID (Inches)	Wall (Inches)	O.D. (Inches)	Max. Working Pressure at 73°F (PSI)	Vacuum Rating at 73°F (Inches of Hg)
0.062	0.031	0.125	46	29.9
0.093	0.031	0.156	32	29.9
0.125	0.031	0.187	24	23.0
0.125	0.062	0.250	46	29.9
0.156	0.031	0.218	20	14.0
0.156	0.062	0.281	38	29.9
0.187	0.031	0.250	16	9.0
0.187	0.062	0.312	32	29.9
0.250	0.062	0.375	24	23.0
0.250	0.093	0.437	35	29.9
0.375	0.062	0.500	16	9.0
0.375	0.093	0.562	24	24.0
0.437	0.093	0.625	21	17.0
0.437	0.125	0.687	28	29.9
0.500	0.093	0.687	18	12.0
0.500	0.125	0.750	24	23.0

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. Working pressures and vacuum ratings are based on a combination of actual test data and derived values. Working pressures are calculated at 1:5 ratio of burst pressure determined per ASTM D1599. The selection of size and material for any particular application is the user's responsibility. The designer must consider many factors (e.g. temperature, fluid, connections, etc.) when specifying the tubing.

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.