



MD90-PE **Medical Grade - Flexible Polyethylene Tubing**



Product Description

Grayline MD90-PE is a non-toxic flexible tubing that is made from a high purity modified polyethylene resin. This material provides excellent elasticity and low temperature performance and can withstand EtO (Ethylene Oxide) and autoclave sterilization methods. Grayline MD90-PE can replace PVC in many general purpose medical applications.

Standard Packaging: Reels or Cut to Customer Specifications.

Standard Color: Clear

Custom Colors and Sizes Available Upon Request

Specifications

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

Features

- Operating Temperature is -60° to 80°C
- Flexibility Without The Use of Plasticizers
- Low Temperature Applications
- Lead Free

PROPERTY	TYPICAL VALUE	TEST METHOD
Durometer Hardness, Shore A (15 Seconds)	90	ASTM D2240
Tensile Strength (psi)	1,500	ASTM D412
Elongation (%)	500	ASTM D412
Specific Gravity	0.93	ASTM D792
Brittleness Temperature, Pass °C	<-73	ASTM D746

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.