



MD85-TPU

Medical Grade Polyurethane Tubing



Product Description

Grayline MD85-TPU tubing is a non-toxic flexible tubing made from a high strength, durable and tough polyether-based polyurethane material that meets USP Class VI Requirements. It has excellent physical properties and provides superior fatigue, kinking, and abrasion resistance. MD85-TPU can be used in a wide variety of medical applications and can withstand gamma radiation, 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

- USP Class VI (Material Only)
- EU Directive 2000/53/EC (ELV)
- EU Directive 2011/65/EC (RoHS2)
- EU Directive 2015/863 (RoHS3)

Features

- Operating Temperature is -40° to 80°C
- Abrasion Resistant
- Excellent Toughness
- Low Temperature Flexibility
- Lead Free

PROPERTY	TYPICAL VALUE	TEST METHOD
Durometer Hardness, Shore A (15 Seconds)	85	ASTM D2240
Tensile Strength (psi)	4,000	ASTM D412
Elongation (%)	600	ASTM D412
Specific Gravity	1.12	ASTM D792
Taber Abrasion (loss in mg) 1000g wt, H-22 wheel (coarse)	30	ASTM D1044

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.