

Nitinol Tubing

PEIER-SE-FlexTube

Peiertech has been manufacturing Nitinol Products of medical grade for more than 14 years. Peiertech offers a global presence, high quality standards and state-of-the-art capabilities.

PRODUCT SPECIFICATIONS

Superelastic Suitable for Medical Device Manufacturing

ALLOY COMPOSITION

According to ASTM F2063-2012, F2633-2013
Binary Nickel Titanium

MECHANICAL PROPERTIES

According to ASTM F2633-2013, F2516-2014 (Room Temperature)

Straight Annealed Tensile Properties

Property	Minimum	Maximum	Unit
Upper Plateau Strength	380		MPa
Residual Elongation	0.3		%
Tensile Strength	1000		MPa
Uniform Elongation	10		%

TRANSFORMATION TEMPERATURE

According to ASTM F2063-2012, ASTM F2082-2015

Active Transformation Temperature: TruePhase is a non-contact A_f measuring equipment
Active Austenitic Finish Temperature: Tailored between -10 and 30°C per request

DIMENSIONS

Range (mm) Applicable Tolerance (mm)

Parameter	Range (mm)	Applicable Tolerance (mm)
Outside Diameter	5.00 ~ 2.50	±0.050
	2.50 ~ 0.30	±0.020
Inner Diameter	4.0 ~ 0.25	
Length	500 ~ 1500	

SURFACE FINISH

OD/ID: Ground Oxide-Free /Etched Oxide-Free
OD/ID: Light (Amber) Oxide
Cut-to-length in plastic tubes

APPLICATIONS

- Hypo-tubing, Catheters
- Laser Processing
- Shape-set Components

This information is provided for comparison reasons only. For ordering and design use official specifications and documents from Peiertech

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