

Insultab 714

Medical Grade Acrylated Olefin Tubing



Uses and Features

Manufactured using a proprietary, USP Class VI certified resin with no additives or fillers

Bio-compatible for temporary implantation

Displays superior cut-through, puncture, and abrasion resistance

Provides excellent resistance to a wide range of chemicals including Saline, Povidone-iodine (Betadine), Benzalkonium (Zephiran), and Alcohol

Can be printed with USP Class VI inks

Comes with complete lot traceability

Alcohol wiped and double-bagged in a clean room environment

Also available in a heat-shrinkable version (HS-714)

Technical Data

Operating Temperature Range: -20°C to 121°C

Shelf Life: 3 years

Recommend Storage: Ambient

Standard Colors: Clear, White, Black, Blue

Standard Packaging: Coiled, Spooled

Certifications

USP Class VI

ISO 10993-5

USFDA Reg C.FR 177.1330

RoHS Compliant

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Summary of Properties

Category	Property	Units	Value
Mechanical	Specific Gravity	g/cm ²	0.934
	Tensile Strength (min)	psi	3200
	Ultimate Elongation (min)	%	500
	Durometer	Shore D	53
Electrical	Dielectric Strength	v/mil	1800
	Flammability	N/A	VW-1

Compatible with the following sterilization methods	
E-beam and Gamma	Steris Process – Peracetic Acid
Autoclave	Hydrogen Peroxide Gas
EtO	Glutaraldehyde

Autoclave Cycle Test:

20 cycles @ 121°C 15 psig for 15 min. with fast dry cycle, followed by test for:

Property	Test Method	Typical Value
Volume Resistivity @ 500 volts	ASTM D 257	No change from original
Dielectric Strength in air @ 500 kv/min rise	ASTM D 149	No change from original
Dielectric Constant @ 1 MHz	ASTM D 150	No change from original
Dissipation Factor @ 1 MHz	ASTM D 150	No change from original

Notice to User: It is imperative that manufacturers and end-users understand that the electro-surgical instruments should be placed separately, without overlay, on autoclave trays. Potential damage caused by overlay in the autoclave will significantly reduce this and any other dielectric insulator's ability to pass the 20 cycles of autoclave required by the AAMI.

All statements and recommendations are based on technical data that PEXCO believes to be true and reliable. It is the responsibility of the user to determine functionality and suitability. If you have any questions on the use or handling of this product, please contact us at 844-352-5777.

Standard Dimensions

Size	Supplied I.D.		Supplied Wall Nominal		Standard Packaging (per Box) Product is Supplied in Coils or on Plastic Spools	
	in.	mm	in.	mm	ft. / Coil or Spool	Total ft./Box
3/32	.093	2.36	.020	0.51	1,000'	2,000'
1/8	.125	3.18	.020	0.51	1,000'	2,000'
3/16	.187	4.75	.020	0.51	1,000'	2,000'
1/4	.250	6.35	.025	0.64	500'	1,000'
3/8	.375	9.53	.025	0.64	200'	600'
1/2	.500	12.70	.025	0.64	200'	600'

Standard Colors: Black, White, Blue, Clear
Custom colors also available

All information presented is believed to be reliable and is offered only as a guide to product selection. As each application is unique, Insultab can make no warranties as to the suitability of any products for a particular use. Specifications are subject to change.