

Medical Grade Heat Shrink Tubing

multicompPRO

**RoHS
Compliant**



Compatible with all of the following Sterilization Techniques:

- Radiation Sterilization (Electron Beam and Gamma)
- ETO Sterilization (Low ETO residuals with only 3 day aeration)
- Steris Process (Peracetic Acid)
- Hydrogen Peroxide Gas
- Glutaraldehyde
- Autoclave Sterilization (20 cycles @ 121°C, 15 psig for 156 min. with a fast dry cycle)

Specifications

USP XXII, NF XVII, CLASS VI Biological Compatibility for Plastics

Material	: Acrylated Polyolefin
Continuous Operating Temperature Range	: -55°C to +121°C
Min. Recommended Shrink Temperature	: 121°C (250°F)
Colour	: White
Longitudinal Shrinkage	: ±5%
Chemical Resistance	: Resists a wide range of chemicals such as Hexachlorophene (pHisoHex), Saline Solution, Povidone-Iodine (Betadine), Benzalkonium (Zephiran), Alcohol, as well as moisture, sunlight and fungus

Property	Test Method	Typical Value
Specific Gravity	ASTM D792	0.93
Tensile Strength	ASTM D638	3200/3600 psi
Ultimate Elongation	ASTM D638	500/600%
Secant Modulus @ 2% Strain	ASTM D2671	12000
Durometer Shore A 15 Second Delay	ASTM D2240	53
Volume Resistivity @ 500 volts	ASTM D257	>10 ¹⁶ ohm-cm @ 500 Volts
Dielectric Strength in air @ 500kv/min rise	ASTM D149	1800/2000 vpm
Dielectric Constant @ 1 MHz	ASTM D150	2 / 2.2
Dissipation Factor @ 1 MHz	ASTM D257	0.008
Toxicity	40 CFR 798.1175	non-toxic

Autoclave Cycle Test

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

Property	Test Method
Volume Resistivity @ 500 volts	
Dielectric Strength in Air @ 500kv/min rise	ASTM D 149
Dielectric Constant @ 1 MHz	ASTM D 150
Dissipation Factor @ 1 MHz	ASTM D 150

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Part Number Table

Description	Size (Inches)	Expanded I.D. (Min.) Inches (mm)	Recovered I.D. (Min.) Inches (mm)	Recovered Wall Thickness Inches (mm)	Spool Size (Feet)	Part Number
Heat Shrink Tubing, Medical Grade	1/4	0.25 (6.35)	0.125 (3.18)	0.025 (0.64)	25	3527
	3/8	0.375 (9.53)	0.187 (4.75)	0.025 (0.64)	25	3528
	1/2	0.5 (12.7)	0.25 (6.35)	0.025 (0.64)	25	3529
	3/32	0.093 (2.36)	0.046 (1.17)	0.02 (0.51)	25	3565
	1/8	0.125 (3.18)	0.062 (1.58)	0.02 (0.51)	25	3566
	1/16	0.063 (1.6)	0.031 (0.79)	0.017 (0.43)	100	3568
	3/32	0.093 (2.36)	0.046 (1.17)	0.02 (0.51)	100	3569

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