



WHERE LASTING BONDS BEGIN

PEOPLE, CAPABILITIES AND PRODUCTS

Optimize your medical device performance with the Raychem medical-grade heat shrink tubing solution—precision-engineered for durability and versatility. Backed by over 60 years of polymer experience, our solutions enhance medical device designs by providing ultra-thin, low-friction coatings, reliable electrical insulation, and strain relief, helping to ensure seamless navigation through delicate anatomies. With advanced chemical and thermal resistance, a broad portfolio of materials, sizes, including customizable sizes, shrink ratios, PFAS-free options and compliance with stringent medical standards, TE empowers medical device OEMs to innovate with confidence.

- **Inventor of heat shrink tubing**, TE leverages decades of expertise in material science to deliver innovative solutions that solve your unique challenges. Our advanced material scientists and engineers collaborate closely with you to deliver reliable product consistency, offering low variability and predictable performance, optimal functionality, durability and compliance.
- **TE's cross-linking technology** allows for variable compression force, higher shrink ratios, durability, thermal stability and chemical resistance. This advanced process offers optimum performance in demanding medical device applications.
- **Broad portfolio** of medical-grade heat shrink tubing for diverse application needs. We offer a wide range of sizes and materials—polyolefins, fluoropolymers, PFAS-free, specialized options such as LWA and peelable tubing—to deliver tailored solutions that enable innovation and precision in medical device design and manufacturing.
- **Engineering partnership** to collaborate on optimizing solutions that meet the unique requirements of your application. From prototyping to production, our team provides the optimal technical support needed to help you maximize your medical devices' performance, reliability and innovation.
- **Accelerate lead times** (production lead times of <10 weeks, custom sample delivery in <4 weeks, and production readiness in <60 days for product iterations) enables fast development cycles, time to market, and helps you stay ahead in a competitive medical device landscape.
- **Manufacturing in the USA and wide distribution network** enables competitive lead times, reliable supply chain support and allows us to respond quickly to your needs while maintaining high standards of precision and compliance for medical device applications.

HEAT SHRINK TUBING GUIDE

Product Family	Base Polymer	Primary applications	Full recovery	Shrink Ratio			Process Aid	Abrasion Protection	Pushability / Rigidity (Shaft)	Strain Relief	PFAS Free	Lubricity	Customer Benefits
				<= 2:1	<= 3:1	Up to > 4:1							
MT1000	PVDF	Surgical instruments and shafts	175°C (347°F)	•			N/A	Better	Best	Better	No	Best	• High temperature • Rigid product with excellent pushability • Highly lubricious
MT2000	HDPE	Surgical instruments and shafts	140°C (284°F)		•		Average	Best	Good	Limited	Yes	Better	• Mid-level temperature • Semi-lubricious • Semi-rigid • Mechanically tough
MT3000	PVDF	Surgical instruments and shafts	150°C (302°F)		•		N/A	Good	Limited	Better	No	Good	• Mid-level temperature • Semi-lubricious
MT5000	LDPE	Surgical instruments and shafts	110°C (230°F)		•		Average	Better	Limited	Best	Yes	Limited	• Mid-level insulation properties • Flexible insulation • High shrink ratio • Price competitive
MT6000	LDPE	Surgical instruments and shafts	110°C (230°F)			•	N/A	Better	Limited	Best	Yes	Limited	• Higher shrink ratio allow to streamline the number of heat shrink tubing required • Flexible insulation
MT-LWA	LDPE	Process aid/ interventional	110°C (230°F)			•	Good	N/A	N/A	N/A	Yes	N/A	• High and low temperature bonding processes • High shrink ratio allow to streamline the number of heat shrink tubing required • Ease of peelability • Customizable compression strengths
MT5510	EVA	Surgical instruments and shafts	110°C (230°F)			•	Good	Better	Limited	Best	Yes	Better	• Mid-level insulation properties • Highly flexible insulation • High shrink ratio • Price competitive
MT-PBX	PEBA	Surgical & interventional shafts	190°C (374°F)			•	N/A	Better	72D – Better 63D – Good 55D – Limited	72D – Limited 63D – Better 55D – Better	Yes	72D – Better 63D – Good 55D – Good	• Ultra-thin jacket for guidewires and other instruments • Dual wall options with inner reflowable layer

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Scan to discuss your project with our technical experts.

