

PTFE Fluoropolymer Coating Service for Hypotubes

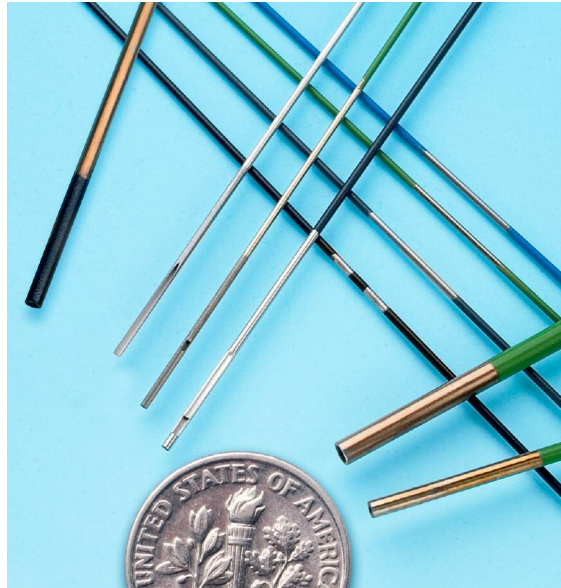
Only by Applied Plastics Co., Inc.

Applied Plastics Experience and Expertise

Founded in 1954, Applied Plastics is one of the original licensed industrial applicators of DuPont Teflon® finishes in the country and we were one of the pioneers in the development of electrostatically applied powder coatings. Over the years, we have perfected the science and art of producing PTFE Natural® Fluoropolymer coated forming mandrels and fine wire in virtually unlimited lengths. We welcome the opportunity to customize a product for your application.

**Call 781-762-1881
for information**

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Applied Plastics coats fine wire with PTFE Fluoropolymer to create forming mandrels, as well as all types of hypodermic tubing. These mandrels increase the output of small-diameter tubing, formed rubber bladders and similar products.

Key Features

- Precise tolerances
- Optimum slip release
- Easy arterial transfer
- Chemically inert
- Bio-compatibility
- Abrasion resistant
- Chemical resistant
- Corrosion resistant

Proprietary Technology

At Applied Plastics, our proprietary technology allows us to coat stainless steel and nitinol hypotubes (hypodermic tubing), with a thin, smooth coating of PTFE Fluoropolymer to achieve optimum release slip properties. Capable of precisely applying the PTFE onto the O.D. of the hypotubes with ± 0.0001 " to ± 0.0004 " tolerance, these hypotubes are available in green, gray, black, and blue colors; with or without marker bands at user-specified intervals.

Providing high lubricity to assure easy arterial transfer, these hypotubes have a smooth, slippery surface that is chemically inert. Capable of withstanding operating temperatures up to 288°C, this coating does not alter the physical properties of the tubing.

PTFE Fluoropolymer Coated Hypotubes

Our coating specialists can apply this coating to all variations of stainless steel and nitinol hypotube including spiral, skived, flared, crimped, ground, and slotted types. We will even source the hypodermic tubing and maintain an inventory and release schedule.

In addition to the hypotubing, as stated above, Applied Plastics specializes in applying this coating onto stainless steel and nitinol forming mandrels which feature a uniform and precise, non-flaking finish. PTFE Fluoropolymer coatings achieve a 0.05 coefficient of friction, enabling manufacturers to increase the output of plastic welding and tipping systems for catheter production. We have an extensive inventory of medical-grade wire and PTFE coated mandrels for fast delivery.



APPLIED PLASTICS CO., INC.

25 Endicott St., P.O. Box 128 • Norwood, MA 02062-0128
781-762-1881 • FAX 781-769-3349

e-mail: general@appliedplastics.com • www.appliedplastics.com