Incorporating Biocoat's HYDRAK®

Benefits of HYDRAK® Technology Include:

- Best-in-Class Performance
  - Best-in-class for: friction, durability and particulates
- Extremely Thin & Flexible Coatings
  - Only a few microns thick
- Cross-link Chemistry
  - Custom engineering based on your product's unique requirements
- Multiple Sterilization Options
  - Methods include: ethylene oxide, gamma and e-beam
- Easy Integration
  - HYDRAK® coatings are cured using convection heat ovens

What we Coat

- Polymerics
  - • Nylon/Polyamide
  - • PEBAX
  - • Polyurethane
  - • PEEK
  - • Chronoprene
  - • Tecothane
  - • Tecoflex
  - • Aesno
  - • Polypropylene (needs Plasma treatment)
  - • Polyethylene (needs Plasma treatment)
  - …and many more!

Hydrophilic Coating Technology

Biocoat's HYDRAK® coatings are suitable for coating vascular catheters, guidewires and other medical devices that use:

- Metallics
  - • Stainless Steel
  - • Nitinol
  - • Platinum
  - • Nickel
  - • Titanium

Biocoat is dedicated to serving medical device companies in the areas of Neurovascular, Cardiovascular, Peripheral Vascular and Ophthalmology by offering custom lubricious, abrasion resistant and biocompatible coatings that can be applied to a wide range of polymeric and metallic substrates.
Off-the-Shelf Catheter Solutions

Spectrum Plastics is the starting point for every new catheter and medical device application requiring an extrusion. That’s why we offer “Off-The-Shelf” Catheter Tubing in various configurations available for purchase 24 hours a day.

- Inner Liner: 55D Pebax® + 20% BaSO4 + ProPell™
- Outer Jacket: 70D Pebax® + ProPell™
- Hydrophilic Coating: Biocoat’s HYDAK® Coating Technology
- Sizes: 4F & 10F

Buy online today at [webstore.spectrumplastics.com](http://webstore.spectrumplastics.com)

HYDAK® is Biocoat’s proprietary hydrophilic coating, benefits include:

**Best-in-Class Performance** — For friction, durability and particulates

**Extremely Thin & Flexible Coatings** — Only a few microns thick

**Cross-link Chemistry** — Custom engineering based on your product’s unique requirements

**Multiple Sterilization Options** — Methods include: ethylene oxide (EtO), gamma and e-beam

**Easy Integration** — HYDAK® coatings are cured using either UV or Thermal Heat curing systems
Coating Lubricity—Microcatheters (n=3)

In this chart the Biocoat team purchased six commercially available neurovascular microcatheters—two coated with HYDAK® technology. They measured the lubricity and durability of each to determine where HYDAK® stands in relation to competitors. Testing proves HYDAK® exhibits best-in-class results.

### Pulling Stage Dynamic Friction (g)

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**Biocoat's Bi-laminar Coating Platform Overview**

- **Hydrophilic Top Coat**
- **Chemical Bonds**
- **Base Coat**
- **substrate**
Your One-Stop-Shop for Medical Device Components

webstore.spectrumplastics.com