



# FluoroBond® N

Ultra Low Friction, Micron-Thin Medical Device Coating

## PURE PTFE, MICRON-THIN LOW FRICTION MEDICAL COATING

Low-friction FluoroBond® N is a micron-thin, pure PTFE coating for cutting edges, needles, mandrels and other devices. It is a thermally bonded PTFE film that exhibits a tenacious bond to smooth cutting surfaces such as scalpels and blades.

FluoroBond® N has very low surface energy, which reduces cutting force by providing an ultra-low friction coated surface. Cuts are made smoother, faster, and with less friction. This optically clear coating bonds to all types of metals and creates a surface that is permanently non-stick. FluoroBond® N is durable and strong, and provides long lasting low-friction blade performance.

The excellent release, low friction and micron-thin properties of FluoroBond® N make it an ideal coating for surgical blades, scalpels, guidewires, hypotubes, probes, needles and similar devices. This micron-thin film has a high 500°F operating temperature. It is biocompatible, PFOS-Free and PFOA-Free.

## SUPERIOR QUALITY, EXPERIENCE AND INTEGRITY YOU CAN RELY ON

For all medical and precision applications, the experience and integrity of the coating applicator is of utmost importance.

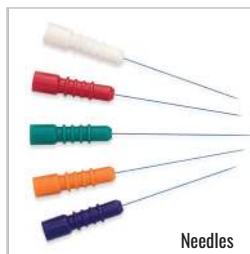
Surface Solutions Group is the respected leader for proven medical device coating technologies. Medical device companies choose us for our exceptional quality, repeatability, delivery, and service. Because... **Every Medical Device We Coat Touches Lives®**



Scalpels



Guidewires



Needles



Tapered Mandrels



Hypotubes

### MEDICAL DEVICE USES

- Surgical blades
- Scalpels
- Guidewires
- Hypotubes
- Probes
- Needles
- Miniature precision parts

### COATING OPTIONS AND FEATURES

Biocompatible, PFOA-Free and PFOS-Free

Pure PTFE micron-thin film

Reduces coefficient of friction (CofF) to .01

Thickness of .00004" - .0002" per surface

Selective application area to optimize device performance

Optically clear on smooth surfaces

Operating temperature up to 500°F

Solvent and chemical resistant

Anti-microbial option available

### COATING PROPERTIES AND CHARACTERISTICS

Excellent release and adhesion to all metals

Will not anneal or affect temper of cutting edges

Permanently non-stick and bonded to smooth, ground, or polished metal surfaces

Curing temperatures will not dull nor affect blade sharpness



Biocompatibility is tested to ISO 10993-5 by third party labs and is for informational purposes only. Compliance to biocompatibility is the sole responsibility of the design owners. The information presented in this coatings data sheet is based on our application of and work with these coatings. End use conditions and methods of use with these coatings which are beyond our control may modify these results. Before adopting our coatings for commercial use, the user should test and confirm the suitability of these coatings for each specific use. Additionally, our recommendations and suggestions for the application and use of our coatings are not a warranty that such application or use are free from infringement of any third-party patent right. FluoroBond® is a US trademark of Innovatech, LLC which is used under license by Surface Solutions Group, LLC.  
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