



Every medical device we coat touches lives®

FluoroBond-N®

Micron-Thin Ultra-Low Friction Coating

Coating Data Sheet

Description:

FluoroBond® is a micron-thin, thermally bonded film of fluoropolymers that exhibits a tenacious bond to smooth cutting surfaces such as scalpels and blades. The bonded film has very low surface energy, which reduces cutting force by providing an ultra-low friction coated surface. This coating creates a surface that is permanently non-stick and is bonded to metal and several plastic surfaces. In addition, many medical device surfaces such as wires, guidewires, tubular products, probes and needles can be successfully coated.

Features and Properties:

- Reduces surface friction to 0.01"
- Moderate cure temperature formulations available
- Will not anneal or affect temper of cutting edges
- Ultra thin, micron deposition
- Can be applied to inside bores and outside surfaces
- Selective application area to optimize device performance
- Moderate corrosion resistance
- Tenacious bond strength to smooth, ground, or polished metal surfaces
- Durable and strong; provides long lasting low-friction blade performance
- Autoclave pressure and temperature resistant
- Anti-microbial formulations available
- Curing temperatures will not dull nor affect blade sharpness
- Solvent and chemical resistant
- Optically clear or invisible on smooth surfaces

Dry Film Properties:

- Film thickness .0001" to .0002" or 0.00025mm to 0.0005mm
- Invisible on most surfaces
- Max temperature range to less than 500°F / 260°C
- Inert to most chemicals and solvents or cleaning agents
- Superb adhesion to most surfaces including polished surfaces
- Pigmented and antimicrobial formulations available

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. Technical support available for filing 510K submissions for device certification. Complete formation and composition analysis available for certification only. FluoroBond-N® is a US registered trademark of Innovatech, LLC which is used under license by Surface Solutions Group, LLC.



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