



Every medical device we coat touches lives®

FluoroBond® N-2

Nano-Ceramic Coating Technology

Coating Data Sheet

Description:

FluoroBond® N-2 is a proprietary, nano-ceramic coating that contains no PFOAs. It is a heat resistant coating in excess of 800°F with a 1 to 3 micron thick coating. This thin film technology means performance enhancements can be added without dimensional changes and thus, no tolerance issues with the design of a product.

The coefficient of friction is equal to or better than pure PTFE based coatings N-2 forms a covalent bond to the substrate to create a strong high-release and non-stick surface. As a result of this bond, no media-blast or chemical etching is necessary to prepare the substrate for coating application.

Features and Properties:

- High operating temperatures in excess of 800°F.
- Low Cure Temperature, not to mention air dry options as well
- Excellent Covalent Bond
- Excellent non-stick properties
- Solvent-based with VOC compliant solvents

Dry Film Properties:

- Film thickness: 1 to 3 microns
- Invisible on most surfaces
- Max temperature range exceeds 800°F / 427°C
- Excellent adhesion and low-friction properties

The raw materials and resin systems are listed in the Code of Federal Regulations, Title 21, Food and Drugs, Parts 175 and 177 for materials suitable for food contact.

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-2 is a US registered trademark of Innovatech, LLC which is used under license by Surface Solutions Group, LLC.



5492 N. Northwest Hwy. Chicago, IL 60630
Tel: (773)427-2084 Fax: (773)282-9155
Website: www.surfacesolutionsgroup.com