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.