# 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