



Every medical device we coat touches lives®

AquaGlide®

Hydrophilic Coating Series

Coating Data Sheet

Description:

AquaGlide® is a group of specially formulated and applied hydrophilic (water loving) coatings developed to absorb water, saline solutions and bodily fluids, and to provide a low friction surface when hydrated. These coatings are bonded to metals, plastics, and flexible or rubber substrates to provide low friction surface characteristics when in the presence of fluids.

Features and Properties:

- Provides easy, low friction insertion and removal of devices.
- Friction forces reduced, compared to dry friction; up to 95% when surface is hydrated.
- Clear / translucent color to allow visible depth or markings on device.
- Pigmented / tinted formulations available.
- Adhesion optimized with specific formulations for different substrate requirements.
- Low temperature bonding for heat sensitive substrates.
- Reduce potential tissue damage and increase patient comfort.
- Permanently bonded.

Surface Solutions Group offers three specifically formulated AquaGlide® hydrophilic coatings:

AquaGlide®-M for metal surfaces: Most medical metals such as stainless steel alloys and Nitinol are coated with our family of hydrophilic coatings to provide water-absorbing properties and to increase patient comfort with these inserted metal devices. Titanium, platinum, plated metals, and many more are successfully processed.

AquaGlide®-R for rubber or flexible surfaces: All types of rubber devices, tubing and guards are provided with a surface to provide low friction when moistened with water or saline solutions on the normally high-friction, yet flexible rubber and synthetic rubber surfaces. Many flexible polymers including urethane, Pebax, buna-n, nitrile, nylon and other natural rubber compounds are successfully processed.

AquaGlide®-P for plastic surfaces: Many plastic and filled glass or fiber-reinforced plastic surfaces of medical devices can have the low friction surface provided by a bonded hydrophilic coating. When moistened with water or a saline solution, the coated plastic surface adopts the hydrophilic properties of a true low friction surface. Many different types of plastic, including polyimide and glass filled plastics are successfully processed.

Application & Properties:

- M: .0002" - .0004"; R & P: .0002" - .001"
- Transparent / translucent bonded film
- Ultra accurate spray or dip processed
- Low temperature cure formulations available
- Applied to existing designs of devices

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



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