AMT

POLYMER AND METAL COATINGS

INNOVATIVE COATINGS FOR REDUCED SLIP/ANTI FRICTION, DRUG RELEASE & ANTIBACTERIAL APPLICATIONS

To improve properties such as bonding, friction reduction, drug release, absorption, antibacterial or antithrombogenic properties, Applied Membrane Technology (AMT) supplies or develops the best coating solution to meet your specific needs.

Represented By:

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INNOVATIVE SOLUTIONS FOR IN-VITRO DIAGNOSTICS OR TO COAT MEDICAL INVASIVE DEVICES. USP CLASS 6 APPROVED COATINGS

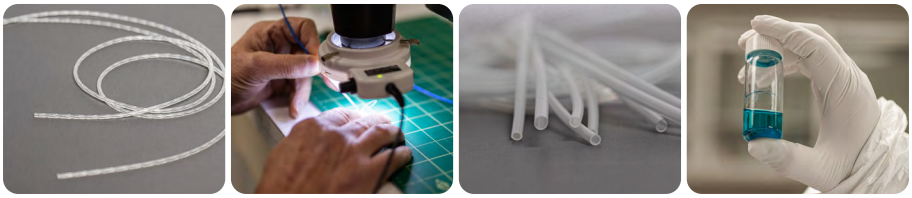
Applications
Catheters, pacemakers, defibrillator leads, fiberoptic cores, o-rings and stents

Materials
Enhance the medical properties of nylons, cellulosics, fluoropolymers, polyethylenes, polypropylenes, silicones, urethanes or other materials.

Rapid Development, Protoyping and Scale-Up
AMT leverages its international research and development resources to identify or to rapidly develop the best coating technology for your specific needs. We offer options from lab samples to pilot runs for tailored coating solutions.

Manufacturing of USP Class 6 Approved Coatings
AMT offers large scale GMP production within clean room facilities. A strict quality assurance program ensures consistent and high performance for AMT's coatings.

Technology
AMT uses plasma polymerization technology. Coatings are covalently bonded to the substrate surface for long-lasting performance. We have developed customized liquid coating processes for specific customers to attach Heparin and other biomolecules to substrate surfaces.



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SILGLIDE®

COATINGS TO ENHANCE SLIP / REDUCE FRICTION

Applied Membrane Technology (AMT) offers innovative coatings for enhancing the slip (lubricity) and reducing friction of numerous materials. Many AMT coatings improve bonding at the same time. AMT biomedical coatings meet FDA Class 6 requirements.

Applications
AMT's silicones, fluoro-silicone, fluoropolymers and grafted polymer coatings can be utilized to improve performance of medical balloons, stents, pacemaker leads, o-rings, catheters and specialty molded medical/industrial components.

Material
AMT's friction reducing coatings can be applied to numerous substrates such as silicone, polyurethane, pebax, Viton, rubbers and many other materials.

COATINGS FOR DRUG RELEASE

Applied Membrane Technology (AMT) offers coatings that can be used for loading and/or controlling the release of drugs and other bioactive compounds. These coatings meet FDA Class 6 requirements and are applied under strictly controlled clean room conditions.

Applications
AMT has several unique coating technologies available for incorporating drugs or for attachment of drug permeable control barrier layers. Stents and chemotherapy delivery catheters are just some of the application possibilities being explored.

Hydrophilic, Hydrophobic and Oleophobic Coatings
AMT can apply hydrophilic, hydrophobic and oleophobic coatings to almost any substrate ranging from metals to plastic.

ANTIBACTERIAL COATINGS

Applied Membrane Technology (AMT) offers unique and novel solutions for placing antimicrobial compounds into coatings as well as for preparing silver and copper-based antibacterial coatings.

Applications
AMT's novel nano-metal coating technology allows for the incorporation of silver, copper, platinum and a host of other metals into microporous hollow fiber and membrane substrates. Many of these coatings can imbibe and release active antimicrobial agents for killing bacteria such as escherichia coli, pseudonomas aeruginosa and staphylococcus aureus.

Material
Surfaces of microporous polypropylene, polyethylene, polyamides, cellulose and ceramic substrates can be loaded with antimicrobial compounds.

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