

Hydrophilic Coating



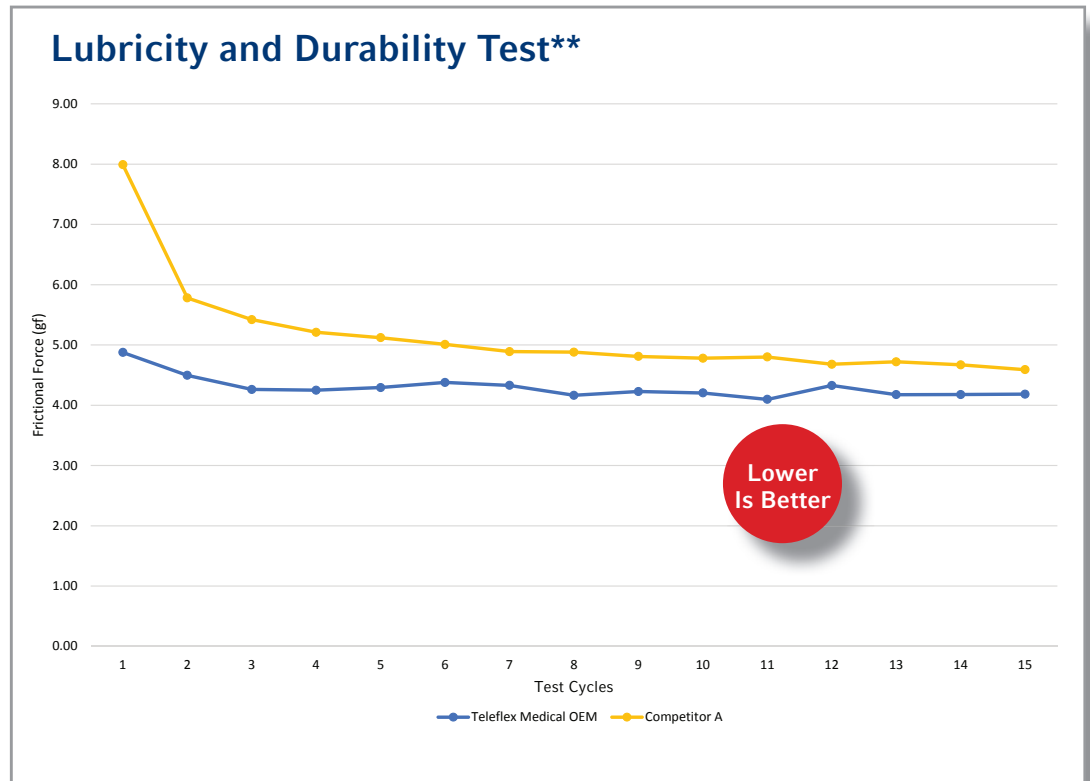
Improve the
Performance
of Your
Device With
Our Coating

Tests Indicate
Our Coating
Performs
Favorably for
Lubricity and
Durability*

Coating
can be
Customized
to Your
Requirements

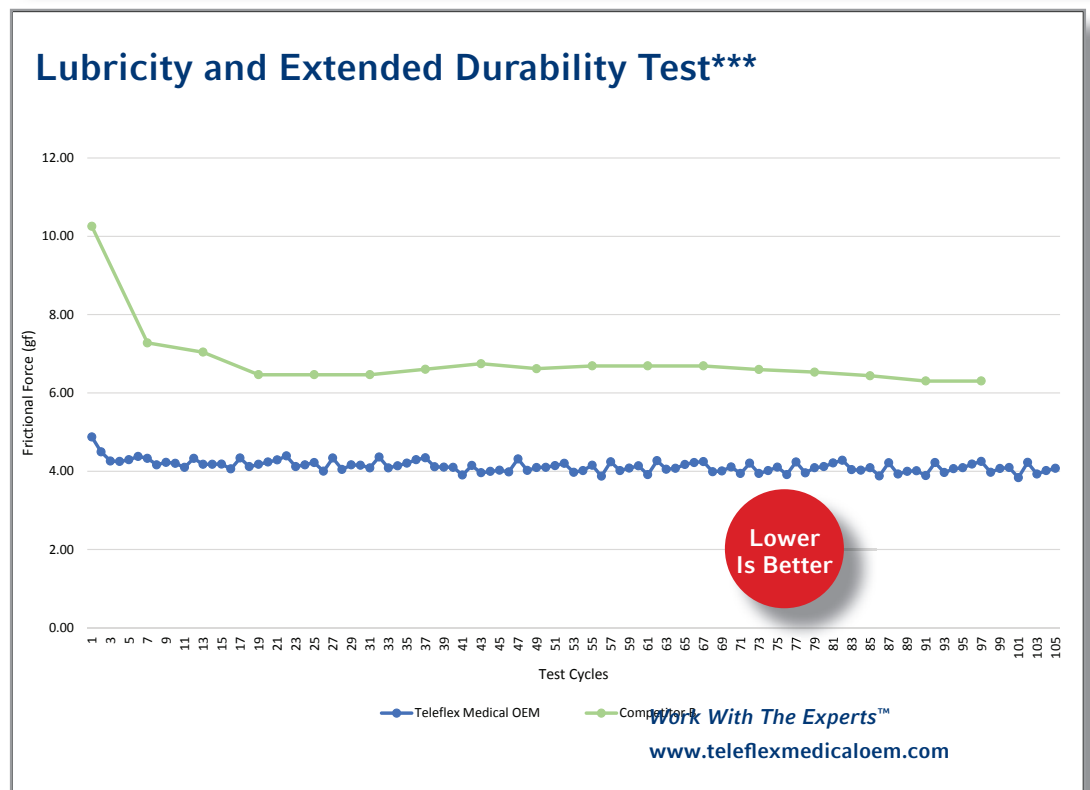
The Teleflex Medical OEM Hydrophilic Coating Performs Favorably for Lubricity and Durability*

Teleflex Medical OEM Coating vs Competitors



**Please note:

- Tested in-house using a Harland FTS Friction Test System
- Tested on Pebax®-based substrates



***Please note:

- Competitor data from its website. This graph displays the resistance force needed to pull a coated sample between silicone rubber pads clamped on the sample with 500 grams clamping force.
- Comparable testing of Teleflex Medical OEM coating using a Harland Friction Test System
- Tested on Pebax®-based substrates

Improve the Performance of Your Device with Our Hydrophilic Coating

- Hydrophilic coating may reduce the required insertion force which may result in improved control, placement, and tracking of the device
- The coating may lessen the damage to tissue and vasculature
- Meets the reliability demands of device applications

Low Particulate Count*

- Meets the USP 788 Standard

Proven Shelf Life Stability*

- Helps you manage cost and supply challenges

We Offer Extensive, Vertically-Integrated Device Development Capabilities

- A single source solution for device development and manufacturing can reduce production time, costs, and time to market
 - Proven coating and substrate adherence
 - Coating process can be customized to your requirements
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Work With The Experts™ in High-Performance Coatings

- Proprietary coating formulation can be customized to optimize certain performance characteristics
- Fully-automated coating application technology and curing process
- UV-cured formulation in a temperature and humidity controlled cleanroom
- Proven biocompatibility, sterilization, and shelf life*
- Regulatory master file support
- Our hydrophilic coatings meet these standards:
 - Cytotoxicity: ISO 10993-5
 - Irritation: ISO 10993-10
 - Sensitization: ISO 10993-10
 - EO Residual: ISO 10993-7
 - Haemolysis: ISO 10993-4
 - Chemical Characterization: ISO 10993-18
- Coating and device testing can be used for coating characterization and performance, and for in-process monitoring and control:
 - Formulation
 - Viscosity
 - Percentage of solids
 - Coating
 - Integrity
 - Lubricity
 - Durability
 - Particulate (*meets USP 788 standards*)

*Please note: Testing data included in master file.



Hydrophilic Coating

Improve the Performance of Your Device with Our Lubricious Coating

TELEFLEX MEDICAL OEM is a leader in product development and production services for medical device manufacturers across the world. We set ourselves apart with extensive, vertically-integrated capabilities, deep expertise, a focus on design for manufacturability, and decades of experience.

Our services include

- Product concept development
- Engineering
- Design for manufacturability
- Regulatory affairs
- Material selection and formulation
- Prototyping, testing, and validation
- Production process development
- Custom tooling
- Manufacturing
- Finishing operations
- Assembly and packaging

You can count on Teleflex Medical OEM to deliver industry-leading innovations and next-generation solutions for extrusions; diagnostic and interventional catheters; balloons and balloon catheters; specialty sutures, braids, and fibers; and bioabsorbable sutures, yarns, and resins. Learn more at www.teleflexmedicoem.com.

LET'S GET TO WORK ON YOUR PROJECT

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