



APPLIED
PLASTICS

Your Strategic PTFE Coating Partner



PRODUCT

PTFE coatings are widely used in medical devices. However, **not all PTFE coatings are equal**. To deliver on our promise to be the technical leader and more than just a coater, Applied Plastics has utilized custom and industry-standard test procedures to provide you with coating performance characteristic data relevant to your needs. This allows you to make the best coating selection for your project's success.

Discover the PTFE Natural[®] Difference



Quality And Regulatory Commitment

Our dedicated team provides support for your validation and qualification requirements and maintains a library of documentation to assist with your design and regulatory requirements.



Lubricity

The lower the Coefficient of Friction of a mandrel, the better the lubricity in use. A more lubricious tool will result in increased yields and **improved product quality**, while lubricity in a component **enhances product performance**.



Adhesion

The better a coating adheres to the substrate, the more **confident** you can be in the product performing as needed and not flaking during use.



Durability

A more durable part has a better wear rate which translates to a **longer useful life** and **lower per-use cost** over its lifetime.

Regulatory Standards

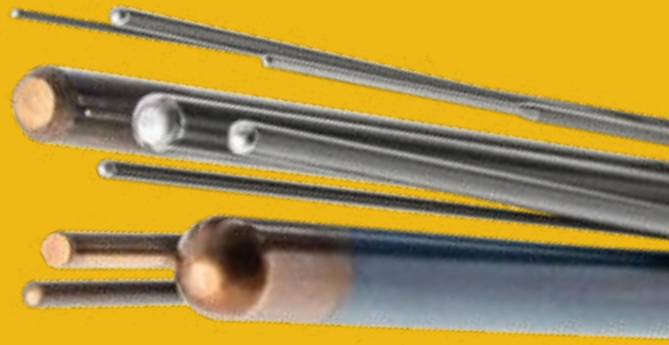
• RoHS • 3TG (Conflict Minerals) • REACH • PROP-65 • EU MDR • Latex • Cytotoxicity and Biocompatibility

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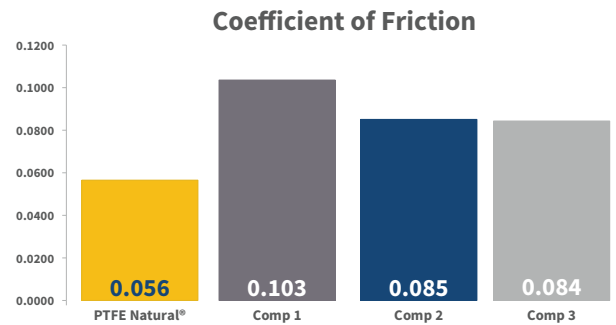
The PTFE Natural[®] Difference



Superior Lubricity

COEFFICIENT OF FRICTION

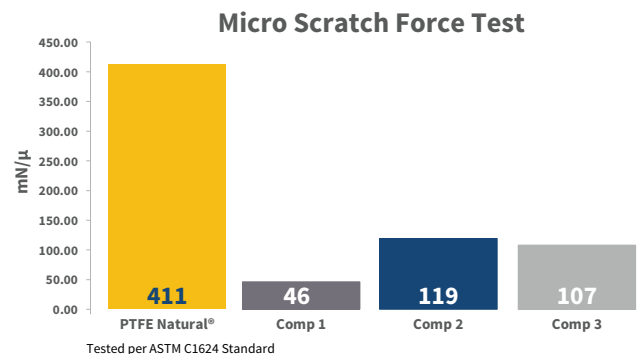
PTFE Natural[®] has the lowest coefficient of friction out of all competitive fluoropolymer coatings tested. Applied Plastics' highly repeatable processes and optimized PTFE coating gives PTFE Natural[®] a **33% lower** coefficient of friction than the next closest competitor.



Exceptional Adhesion

MICRO SCRATCH

Adhesion is a critically important coating feature for both mandrels and components. The proprietary coating process of PTFE Natural[®] provides the highest scratch resistance of any competitor in testing. With a delamination force of **70% higher** than the next leading competitor, PTFE Natural[®] provides you with confidence that your mandrels are performing as needed and not flaking during use.



Unrivaled Durability

WEAR RATE

A mandrel with a better wear rate translates to a longer useful life of the mandrel and lower per-use cost over its lifetime. The proprietary PTFE Natural[®] coating process provides the best wear rate of any competitor in testing. PTFE Natural[®] delivers added value to your processing workflow by providing a **27% greater** resistance to wear than the next competitor's.

