



About Hi-Performance Products, Inc.

Hi-Performance Products is an Advanced Process Materials company specializing in Coated Flexible Fluoropolymer Composite Materials. The coated composite materials we supply perform under the toughest conditions -- chemical, electrical, temperature, mechanical -- yet retain their "flexibility" or "pliability" and surface release (non-stick) properties. Worldwide end-use applications are in Composites, Wind Energy, Solar Energy, Electronics (PCB), Environmental, Food Processing, Architectural, Aerospace, Communications, Petroleum, Chemical Processing, Protective Clothing and many other markets.

Our Flexible Coated Composites are versatile materials for chemically hostile, mechanically severe, thermally extreme and electrically demanding industrial conditions. These materials maintain outstanding release characteristics and flexibility over a broad range of operating temperatures in varied chemical environments. HPP products are typically composed of woven fiberglass and coated with PTFE and Silicone. A variety of substrates, thickness, weights and surface textures can be produced in a diversity of styles

Our Flexible Coated Composite substrates typically consist of woven fiberglass, aramids, and other high-strength reinforcements coated or laminated with fluoropolymers (e.g. PTFE) and elastomers. We also supply specialty fluoropolymer films. By varying the design and composition of the reinforcement and matrix resin, an almost endless variety of high-performance composite materials are possible, each tailored to exhibit particular performance properties when made into finished products.

HPP's Flexible Coated Composite materials are specifically engineered with unique physical properties, including:

MECHANICAL PROPERTIES

- High Tensile Strength
- Excellent Tear and Puncture Resistance
- High Flexural Endurance

RESISTANT PROPERTIES

- Extreme Range of Thermal Capability
- Exceptional Chemical Resistance
- Excellent Weather Ability
- Outstanding Fire Resistance

ELECTRICAL PROPERTIES

- High Dielectric Strength
- Very Low Dielectric Constant
- Very Low Electrical Loss

SURFACE PROPERTIES

- Exceptionally Low Friction
- Excellent Non-Stick Behavior Even at Elevated Temperatures



If you need flexible coated materials that incorporate any of the above properties, you need HPP. HPP has in-depth knowledge and experience in end-user industries. We know how to evaluate your requirements and how to supply the materials and systems that will meet your needs.

We invite your inquiries concerning how your applications may benefit from HPP's High-Performance Products. Please contact us for prompt and courteous attention to your requirements.