

# NANO GLIDE™

...built from the inside-out



Engineered and designed for the serious sports participant; to be **FLEXIBLE**; yet **COMFORTABLE**; **NanoGLIDE™ EXTREME** and **VERSATILE** active wear; from outdoor wear to socks, golf and tennis apparel; and casual wear

**The Facts...** We provide the **ONLY** next generation **PERMANENT**; all-in-one; **NANO PATENTED TECHNOLOGY**; for performance apparel and socks in the world that conquers **HEAT, MOISTURE, FRICTION, UV**, and **ABRASION**; in one product; achieving maximum **COMFORT**.



Close-up of NanoGLIDE PTFE Micro Channels

Permanent / UV  
+  
Moisture Management / Heat Management  
+  
Friction Management  
=  
Maximum Comfort

Comfort Permanent Protection Moisture Management Heat Management Friction Management

**NANO GLIDE™**

[www.nano-glide.com](http://www.nano-glide.com)

**PTFE** (polytetrafluoroethylene) is the heart of **NanoGLIDE™**.  
Our **PTFE Nano Particles** are .3-.4 um and 100% less than 1 micron.

The **PERMANENT PTFE technology** is incorporated into the fiber; or fabric from the inside-out; providing extreme **COMFORT** for every garment or sock with **ENHANCED PTFE** "tactile aesthetics"; to include (1) better fabric **HAND**; (2) **SOFTER** fabrics; (3) more fabric **LOFT** and (4) **UV** protection.

**PTFE's** coefficient of **FRICTION** is 0.1 or less, which is the second lowest of any known solid material known to man kind; meaning our products offer **MAXIMUM ABRASION** control; and **ELIMINATES FRICTION**.

**PTFE** repels (**hydrophobic**) water and perspiration; so it **WICKS**; and moves perspiration at **MAXIMUM** speed keeping you **DRY** and **COOL**; while allowing the **SKIN** to stay **COOLER** by eliminating **FRICTION** and **ABRASION** on the skin surface.

Nothing dries faster; or cools the skin faster than **NanoGLIDE™**.



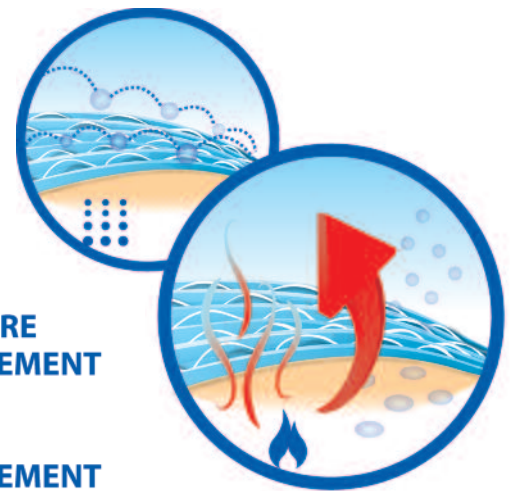
-  **COMFORT**
-  **PERMANENT**
-  **UV PROTECTION**

**COMFORT:** PTFE (polytetrafluoroethylene) is the heart of **NanoGLIDE™**. **NanoGLIDE™** fabrics provide beneficial “tactile aesthetics”; to include (1) better fabric hand, (2) softer fabrics and (3) superior fabric loft. This means superior fabric bending, less flexural rigidity and improved compression and thickness. All of these factors impact comfort and hand. These are the key fabric attributes to comfort; and the PTFE advantage; with every fabric made with **NanoGLIDE™**.

**MOISTURE:** A garment or sock must be able to handle the amount of sweat being produced by the body and continuously move the moisture away from the skin; in order to allow the body to continue its natural cooling action through sweating. The material must also “dry” very fast to avoid “wetting out”.

**PTFE** is extremely hydrophobic; thus wicking will occur very fast (as drying); but it will also be high performing for not “wetting out” like most products on the market today. Because PTFE is very hydrophobic; **NanoGLIDE™** will conquer wicking, wetting out and moisture management; at maximum speed.

Fabrics with **NanoGLIDE™** will allow heat/moisture generated by the body to escape through; or on the fabric into the surrounding atmosphere. Nothing dries faster.



-  **MOISTURE MANAGEMENT**
-  **HEAT MANAGEMENT**

**HEAT:** Heat Management is the ability of a fabric to allow the skin surface to cool; but to also address heat caused by static and kinetic friction. PTFE's coefficient of FRICTION is 0.1 or less, which is the second lowest of any known solid material known to man kind; eliminating Static and Kinetic friction; thus allowing the skin surface to stay cool by eliminating friction and abrasion on the skins surface.

**NanoGLIDE™** will yield a cooler product on the skins surface by eliminating abrasion and friction.

**FRICTION & ABRASION MANAGEMENT:** PTFE's coefficient of FRICTION is 0.1 or less, which is the second lowest of any known solid material known to man kind; meaning our products offer maximum abrasion control; and eliminates friction.

The friction or rubbing of any apparel or sock on the skin; produces heat. Friction causes heat. Heat produces sweat. **NanoGLIDE™** when tested in the labs using accepted testing methodologies for measuring abrasion and friction demonstrated a 2-3x increase in reducing static and kinetic friction; over standard POY fabrics. That equates to a 200-300% improvement for any apparel or sock made with **NanoGLIDE™**.



## **FRICTION & ABRASION MANAGEMENT**