



FYnesse®

ΣNDURALL®

THE FRICTION REDUCTION TECHNOLOGY

Fiber & Yarn Products Inc. now offers yarn scientifically engineered with the added benefit of PTFE technology, allowing knit or woven goods to share in the properties that polytetrafluoroethylene (PTFE) can offer, while maintaining both simple and efficient manufacturing processes. **FYnesse® Endurall®** is an innovative new product that offers enhanced friction reduction, beneficial moisture control, added abrasion resistance and a combination of attributes aiding in the reduction of 'Hot Spots', a leading cause of blister discomfort.

For more information, contact
Fiber & Yarn Products Inc.,
Brad Seese at 1.800.648.2425.

Why PTFE? Polytetrafluoroethylene (PTFE) is on record with one of the lowest coefficient of friction to solid measures. This is due to PTFE's relatively high molecular weight, and makes it rather unique in its ability to control friction, a leading cause of wear and heat transfer.

How it works? The **FYnesse® Endurall®** fiber products receive a trade secret surface modification, allowing the yarn to gain many enhancements from the PTFE molecule now permanently cross-linked to the surface of the yarn. This can include a resistance to wetting action from both water or oil based fluids which allows the fiber to repel and resist damage often associated with moisture absorption. The addition of the PTFE molecule on the outer surface of the fiber can also aid performance as a protective coating allowing the fiber abrasion resistance and air permeability, typically not available on such light weight fibers.

When is it most effective? **FYnesse® Endurall®** is most effective when included in high performance applications that require maximum comfort, and durability in a light weight construction. Recommended applications include high wear contact locations of a fabric or knit construction. Fabric and construction that will likely see the greatest benefit are those that must endure the most extreme conditions, such as work wear, outdoor enthusiast gear, military applications, and applications that typically lead to fabric breakdown.

Why choose FYnesse® Endurall®? It is a unique product that offers balance between moisture control, friction reduction, and flexibility of substrates. This is the performance advantage many designers have been waiting for to capture today's more demanding and technically savvy consumer.

F&Y P INC.

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