

NILIT® AQUARIUS
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THE NEW GENERATION IN MOISTURE MANAGEMENT

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How do you say “moisture management” for a nylon 6.6 yarn?

Nilit® Aquarius marks a new generation in nylon 6.6 yarns.

Nilit® Aquarius is the unique, high-performance yarn engineered to wick away moisture and designed to keep the wearer feeling dry and comfortable. **Nilit® Aquarius** is a new innovation in nylon 6.6.

Moisture absorbed by fibers makes garments wet, heavy and very uncomfortable to wear. Today’s active lifestyles require garments that can stand up to stress, are easy to maintain and keep the wearer comfortable.

Just like its astrological namesake, Aquarius the water bearer, the **Nilit® Aquarius** fibers transport moisture away from the skin through the garment and out toward the air. The fibers are extremely well suited to all types of sportswear, activewear and dancewear.



Three unique features:

NYLON 6.6 Nilit® Aquarius

- Its hydrophilic attributes are intrinsic in the fiber and will not wear off even after repeated washings!
- A triple T cross-section of the filaments increases the surface area for improved moisture management.
- The special cross-section creates “micro-channels” in the fiber which actually carry moisture away from the body.

Moisture management performed by NILIT®

Nilit® thought about moisture management from a whole new angle. We set out to actually modify nylon 6.6 yarns with a special additive intrinsic in the polymer itself (and not a topical treatment that disappears over time due to repeated washings).

FIGURE 1

engineered fiber ➤ unique hydrophilicity properties ➤ **high-speed wicking**

FIGURE 2

special cross-section ➤ increased surface ➤ **improved wicking**

FIGURE 3

micro channels ➤ capillary effect ➤ **mechanical wicking**



FIGURE 1



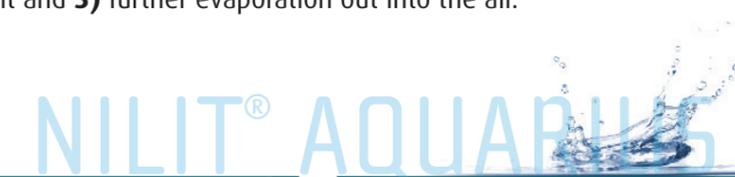
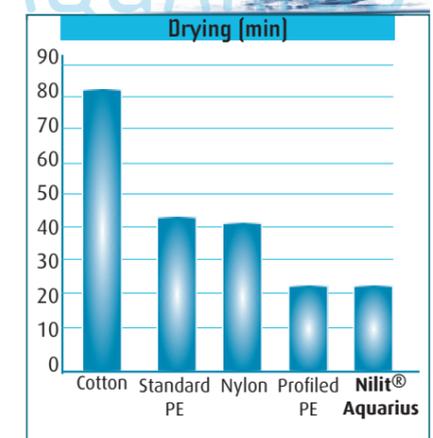
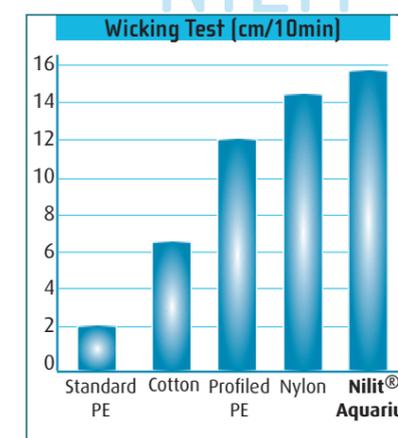
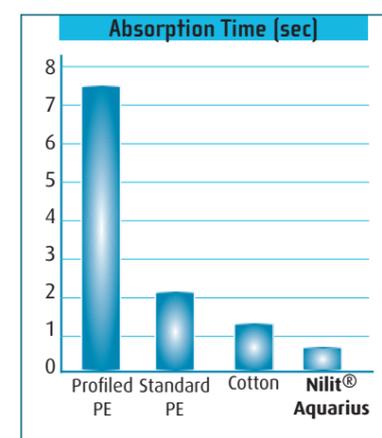
FIGURE 2



FIGURE 3

The graphs below clearly illustrate the advantages of **Nilit® Aquarius** yarns in wicking, absorbing and evaporating.

The fiber actually accelerates **1)** the removal of perspiration and moisture away from the body and **2)** penetration into the garment and **3)** further evaporation out into the air.



To learn more about what Nilit® Aquarius can do for you, contact your nearest Nilit® representative.

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