

moisture transport in needle-punched fabrics



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Made entirely from annually renewable resources such as corn, Ingeo™ fibers have the performance advantages of both natural and synthetic materials. Additionally, the performance benefits of Ingeo are inherent in the fiber, requiring no treatment or finish. The performance will not diminish or fade after washings or over time.

test

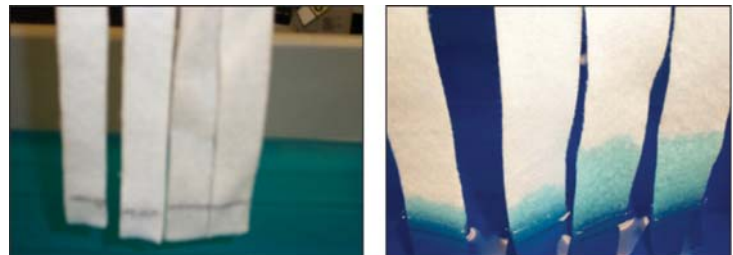
Strips of needle-punched non-woven fabric made with Ingeo fiber and polyester were tested to compare the fabrics' wicking ability. The strips, machine direction (MD) and cross-machine direction (CD), were dipped into a glass filled with colored water to measure the movement of the water in the fabric. Measurements were taken at 5, 20, 30, 40, 60 and 120 minutes.

results

Testing shows that Ingeo fibers have excellent wicking performance inherent in the fibers. Ingeo fibers outperformed polyester with and without a finish in the two-hour test.

Strip Order (left to right)

- PET 3 DPF, 6 oz sq/yd (MD)
- PET 3 DPF, 6 oz sq/yd (CD)
- PLA 3 DPF, 6 oz sq/yd (MD)
- PLA 3 DPF, 6 oz sq/yd (CD)



Property	PLA Without Finish	PET Without Finish	PLA With Finish	PET With Finish	Comments
Avg. Wicking Height (in. after 2 hrs.)	1.00	0.00	2.00	1.00	PLA 100% greater wicking

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