

Independent testing has confirmed that the apparel industry has a new, natural-based high performance fabric option for sporting applications. Laboratory testing by the globally respected Hohenstein Research Institute demonstrated that when combined with cotton, Ingeo™ fibers perform better than polyester fibers in the plaited fabric that was tested.

The results of the testing concluded that wearers of Ingeo/cotton fabric will experience improved physiological comfort versus an equivalent polyester-faced fabric. The following tables summarize the results of the skin model, sensorial testing and comfort votes for Ingeo/cotton fabric, as tested by the Hohenstein Institute.

table 1

Skin Model Testing	
Test	Ingeo/Cotton Comparison Rating
Thermal Resistance	Superior
Water Vapor Permeability Index	Equivalent
Water Vapor Absorbency	Superior
Buffering Index	Equivalent
Moisture Permeability	Equivalent
Sweat Transport	Equivalent
Sweat Uptake	Equivalent
Thermal Resistance	Superior
Drying Time	Equivalent

table 2

Sensorial Comfort Testing	
Test	Ingeo/Cotton Comparison Rating
Wet Cling Index	Equivalent
Surface Index	Superior
Stiffness	Superior

table 3

Overall Rating of Ingeo/Cotton Against PET/Cotton Fabric	
Test	Ingeo/Cotton Comparison Rating
Sensorial Wear Comfort	Equivalent
Total Wear Comfort	Superior

*Tables 1-3 based on Test Report No. Z0.4.3805, Comparison of Physiological Comfort of Polyester (PET)/Cotton and Ingeo™ Fibers/Cotton Fabrics, Forschungsinstitut Hohenstein, May 24, 2000.

The comparison ratings show Ingeo fibers are an unprecedented product option in sporting applications

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