

Sorbtek® 



MICRO-CLIMATE

Garments made with **SORBTEK® 365™** create a micro-climate between the fabric and the human body allowing the wearer to remain comfortable year round.

Sorbtek® 

TEMPERATURE COMFORT

POTENTIAL BENEFITS:

- Enhances the micro-climate between the wearer and the fabric; a micro-climate exists between any fabric and the human body
- Breathable moisture-wicking for cool, dry comfort
- Keeps the wearer cool & dry in the heat; warm & comfortable in the cold
- Improves fabric hand
- Inherent soil release properties

AVAILABLE:

- Full range of **REPREEVE®** yarns in multiple fiber types:
 - polyester filament
 - staple and spun
- Combines well with other performance technologies
- Available globally

Performance benefits and claims are based on fabric construction.



In warm environments, garments made with **SORBTEK® 365™** quickly absorb and wick moisture to the outside of the fabric where evaporation takes place, keeping the wearer cooler and comfortable.

In cooler environments, garments made with **SORBTEK® 365™** create a warm air layer between the skin and fabric, keeping the wearer warmer and comfortable.

**** The Mill or Brand is responsible for submitting the fabric(s) for SORBTEK® 365™ testing including AATCC 197, AATCC 79, ASTM F1868, ASTM D3776 and ASTM D1777 Opt I along with the completed Unifi Fabric Submit. Unifi will test the submitted fabric(s) and issue the Certification accordingly. Unifi only certifies SORBTEK® 365™ based on testing performed at Unifi approved labs.**

END USES:



Bottoms

SORBTEK® 365™ provides moisture management and thermal comfort based on the following test methods and performance levels:

- **SORBTEK®** Vertical Wicking – 15cm within 30 minutes after 3 launders on synthetic or 12cm within 30 minutes after 3 launders on cotton rich fabrics
- AATCC 79 - Complete absorption within 5 seconds after 3 launders
- ASTM F1868 - Thermal resistance, CLO a min 0.50 unit Denim and Piece Dye. 100% Synthetic Bottom Wt. Fabrics min. 0.47
- ASTM D3776 – Typical Woven fabric weights range from
 - a. DENIM WOMEN 8.0 ~ 12.5 oz/yds²
 - b. PIECE DYE 7 ~ 10.5 oz/yds²
 - c. SYNTHETIC 100% - 5.25 ~ 7.5 oz/yds²
- ASTM D1777 OptI – Typical fabric thickness range from 0.4 ~ 0.85 mm

**Recommended Thermal Resistance Testing Facilities:

North Carolina State University
Center for Research on Textile Protection and Comfort (T-PACC)
College of Textiles North Carolina State University
Raleigh, North Carolina 27695-8301

