

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® 

THERMAL REGULATION

POTENTIAL BENEFITS:

- A micro-climate exists with any fabric and the human body enhances the micro-climate between the wearer and the fabric
- 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 **REPREVE®** yarns in multiple fiber types:
 - polyester filament
 - staple and spun
- Combines well with other performance technologies
- Available globally



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.

Performance benefits and claims are based on fabric construction.

**** The Brand using this technology is responsible for submitting the fabric(s) for ASTM F1868, ASTM D3776 and ASTM D1777 Opt I for third party Thermal testing. The Fabric Supplier and/or the Brand is required to submit the Thermal test results along with a completed Unifi Fabric Submit form before being considered for SORBTEK® 365™ certification. Unifi will test the submitted fabric(s) for SORBTEK® Vertical Wicking and AATCC 79 using a third party lab.**

END USES:



Bottoms

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

- **SORBTEK®** Vertical Wicking - 12cm within 30 minutes after 3 launders
- 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 - Woven fabric weight typically range from:
 - DENIM WOMEN 0.8 ~ 12.5 oz/lyds²
 - PIECE DYE 7 ~ 10.5 oz/lyds²
 - SYNTHETIC 100% - 5.25 ~ 7.5 oz/lyds²
- ASTM D1777 Opt I - typically fabric thickness will 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

