

Teijinconex® Coolnex Stretch: new levels of mobility, comfort and ease

Enhanced flexibility for greater mobility, Teijinconex® Coolnex Stretch is a flame resistant two-way stretch fabric that easily moves with you. The latest addition to the Teijinconex® family of fabrics, this unique single-layer, high performance textile combines the best in FR protection with built-in stretch and recovery. Outstanding tactical performance and unmatched comfort.

Flexible FR protection

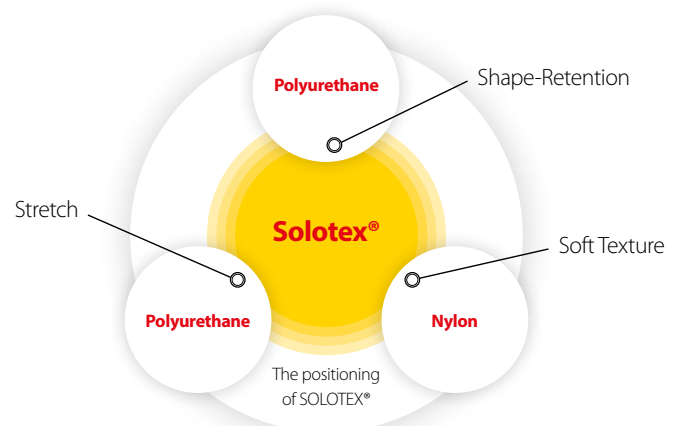
Teijinconex® Coolnex Stretch offers unparalleled maneuverability and superior thermal protective performance — standing tough against heat, flames and flash fire. Teijinconex® Coolnex Stretch garments will not char, melt or drip after exposure to heat or flash fire. And, with inherent stretch and recovery, Teijinconex® Coolnex Stretch fabric is the ideal solution for maximum mobility and superior FR protection in high activity environments.



Key benefits when using Teijinconex® Coolnex Stretch

- > Outstanding heat and flame resistance
- > Superior strength and durability
- > Increased mobility and comfort
- > Unrivaled shape stability
- > Maintains garment integrity longer

Stretch technology for comfort beyond words: Using Solotex® inside you assure shape-retention

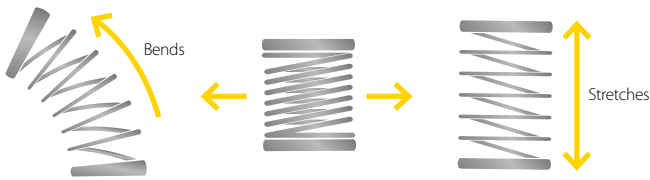


Teijinconex®

Engineered with Solutex®

Solutex® is a special patented fiber solution exclusively engineered by Teijin. Solutex® incorporates a distinctive springlike, helical molecular structure and a unique binding fiber to achieve unprecedented stretch and recovery properties. This revolutionary material offers excellent fabric memory, elasticity and flexibility, making Solutex® the perfect alternative to spandex or elastane. Unlike these polyurethane stretch alternatives, which exhibit higher stretch ratios and lower shape stability, Teijin fabrics infused with Solutex® offer a new dimension on stretch — with a fabric that maintains garment integrity and ergonomic shape longer. Solutex® enabled stretch is inherent in the fabric for the life of the garment, providing increased mobility and improved freedom of movement.

Solutex® conceptual image



Advantage Solutex®

For comfort beyond words it's Solutex®. Personal protective apparel featuring Teijinconex® fabrics with Solutex® afford a softer, more comfortable garment with essential stretch and gentle cushioning. A soft, supple touch and feel, a gentle, yet sure stretch with shape-retaining resilience are advantages that could never be achieved in FR woven fabrics until now. Solutex® easily combines with other fibers like Teijinconex®, Technora® and Twaron®, enhancing the characteristics of these high performance fibers while adding a new texture and functionality for increased performance in workwear and firefighter rescue suits. Teijinconex® Coolnex Stretch fabric is environmentally sound and available in a variety of colors. The result is an evolution into a new world of maneuverability, durability and utility in flame resistant garments.

Seven defining characteristics of Solutex®



Performance fabric design

Teijinconex® Coolnex Stretch fabric features innovative sport fabric technology, combining unrivaled stretch and recovery with increased freedom of movement — features not found in polyurethane blended fabrics. Traditional polyurethane blended stretch fabrics have poor hydrolysis resistance (stretchability after laundering), poor chemical resistance, poor abrasion resistance and are susceptible to reduced stretch and recovery over time. Teijinconex® fabrics with Solutex® Stretch Technology offer superior hydrolytic stability (durability after laundering), increasing stretch/recovery properties for a fit, tailored look long after garments have been in use.

Teijinconex®

Coolnex Stretch fabric is lightweight, soft, flexible and will provide a new level of tactical functionality.

Dependable Teijin performance

What's the value of a garment if it isn't durable, if it loses performance qualities after laundering or if it falls apart after exposure to heat and flame? Teijinconex® Coolnex Stretch fabric is reinforced with high performance Technora® para-aramid fibers for superior strength and durability. Teijinconex® Coolnex Stretch fabric will not shrink and will retain its shape for years to come, unlike conventional stretch products. Protective apparel made with Teijinconex® Coolnex Stretch fabric guarantees a soft, comfortable feel with superior stretch and recovery even after repeated use and laundering. Teijinconex® Coolnex Stretch fabric is the ultimate FR solution with comfort, mobility and ease built right in.

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