

TEIJIN

Human Chemistry, Human Solutions



Protection against heat and flame

Providing safety and comfort

Whether we're talking about the military, firefighters or the police, all require the highest levels of protection plus comfort and wearability. They need superior thermal protection and flame resistance, resistance to tears and abrasion. And they want comfort in terms of light weight, flexibility and breathability.

Recognized around the world for its superior quality, performance and reliability, Twaron, Teijinconex and Technora based flame resistant clothing combines excellent protection with maximum comfort.

At Teijin Aramid we are constantly developing advanced solutions, designed to meet today's and tomorrow's needs.

Key benefits when using our aramids

- Inherent flame resistance
- Heat insulation
- Dimensional stability
- Does not burn, melt, or adhere to human skin
- Strong, light, durable and comfortable

Twaron® | Teijinconex® | Technora®

The power of Aramid

At Teijin Aramid we offer the most complete range of high-performance fibers: Twaron, Technora and Teijinconex.

Indispensable ingredients

Our flagship para-aramid Twaron and the copolymer-based Technora are widely used in heat and flame-protective work wear. Their strength (five times stronger than steel) and dimensional stability make them an indispensable part of protective clothing. Twaron, which is used both 100% and blended with other flame resistant fibers such as PBI or FR Viscose, minimizes the shrinkage of fabrics and enhances tear strength and abrasion resistance.



Intrinsic properties

With an LOI of > 27, Teijinconex – our meta-aramid fiber – is both flame retardant and self-extinguishing. These properties are retained even after long-term exposure to high temperatures. Solution-dyed fibers deliver good color fastness and the textile character of the fiber ensures excellent wearing comfort. These properties are intrinsic to the fiber; they cannot be washed away.

Safe and environmentally friendly

Twaron, Teijinconex and Technora are Oeko-tex certified, i.e. they contain no substances that are harmful to human health or the environment.



Versatile applications

Twaron – combined with other flame retardant fibers – is widely used in battledress uniforms. Inherently flame resistant outer garments give soldiers just the time they need to get out of harm's way.



Firefighter turnout gear made from Twaron, Teijinconex or Technora meets ever-more stringent requirements in terms of protection, thermal insulation, and wearing comfort. The wearer is not only protected against heat and flame, but also against hazards associated with electric arcs and flash fires.



Police and Special Forces also face increasingly threatening violent situations. Our aramid fibers provide protection, not only against heat and flame but also against bullets, slashing and stabbing.

Developments in our three high-performance fibers never stand still. Together with our customers and partners, we constantly work on improving protection for those who risk their life to protect us.

At Teijin Aramid we are dedicated to providing safety for professionals around the globe. For more information please email us at heat-cut-protection@teijinaramid.com or visit www.teijinaramid.com

We do not accept any liability for the results of the use of these products.

The technical data in this leaflet reflects our best knowledge at the time of publication. The content of this leaflet is subject to change, depending on new developments and findings, and a similar reservation applies to the properties described in it.

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