



DU PONT®

Nomex.

DuPont™ Nomex® Protection you can rely on

For over 40 years, DuPont™ Nomex® has been protecting people working in the most hazardous environments, delivering highly effective flame- and heat-resistance, in exceptionally durable and lightweight solutions.

Trusted Protection

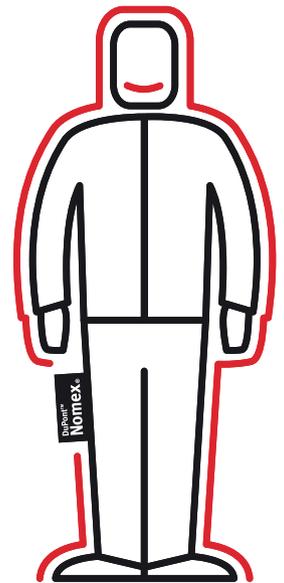
DuPont™ Nomex® offers a level of protection that **meets or exceeds the norms** differentiating it from its competitors.

Instead of being treated with a flame-retardant substance, Nomex® is **inherently flame-resistant** due to its specific molecular structure. Its thermal protection performance cannot be affected by washing, abrasion or exposure to heat.

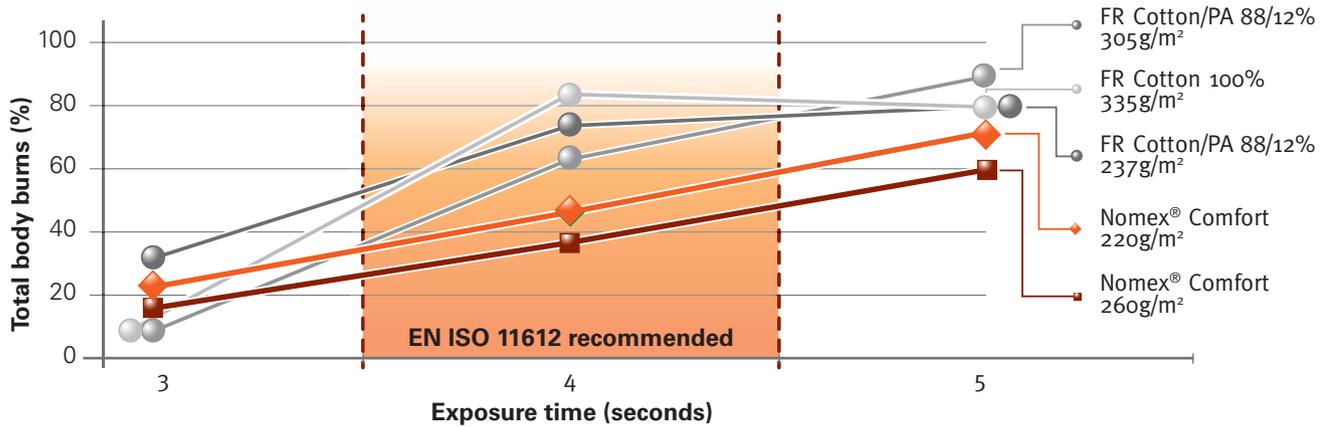
Thermal Protection Performance

Nomex® shields the wearer from heat and flame and protects him from body burns. In DuPont™ Thermo-Man® tests, typically lighter Nomex® garments demonstrate up to **35% less 2nd and 3rd degree body burns** than typically heavier flame retardant (FR) treated cotton garments after an exposure of 4 seconds, as recommended by EN ISO 11612. Wearing protective clothing made of DuPont™ Nomex® considerably increases a victim's survival chances.

Furthermore, the latest Nomex® innovative solutions show similar or even **better arc protection** values than heavier flame retardant cottons, allowing an excellent performance/weight ratio for single and multi-layer garments.



Thermal Protection Performance



Tests are conducted according to ISO 13506 on standard coveralls (same style and size worn together with standard short sleeve cotton underwear) which are exposed to heat energy levels of 84kW/m².

After 4 seconds' Thermo-Man[®] Exposure

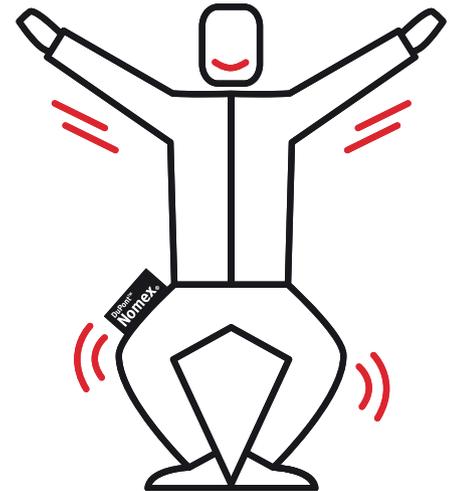


Nomex[®] garments have a much better appearance after 4 seconds' Thermo-Man[®] exposure than FR cotton blends.

Wearer's Comfort

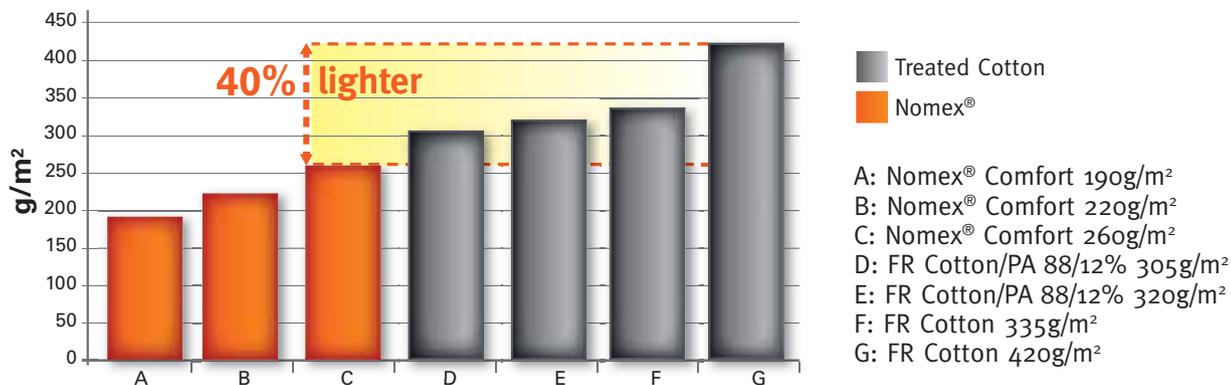
What feels comfortable may differ from person to person, but one thing is certain: if a garment is uncomfortable, it detracts from the wearer's ability to work efficiently, or may not be worn at all.

DuPont™ Nomex® innovative fabrics and garments are designed by experts with this in mind.



Fabric weight

Basis weight of industrial PPE fabrics

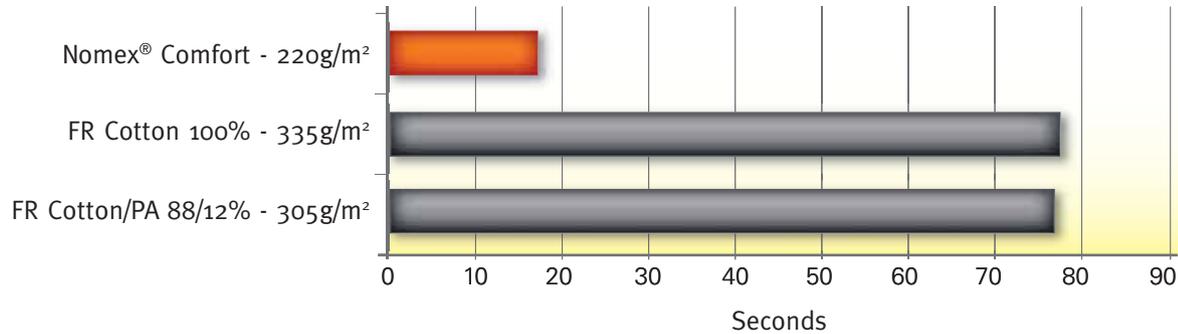


Weighing between 150 and 265g/m², typical Nomex® solutions are up to **40% lighter** than FR cotton and cotton blend fabrics, and therefore **more comfortable** to wear.

DuPont™ Nomex® fabrics and garments enable **lightweight** solutions with **excellent moisture management**.

Moisture management

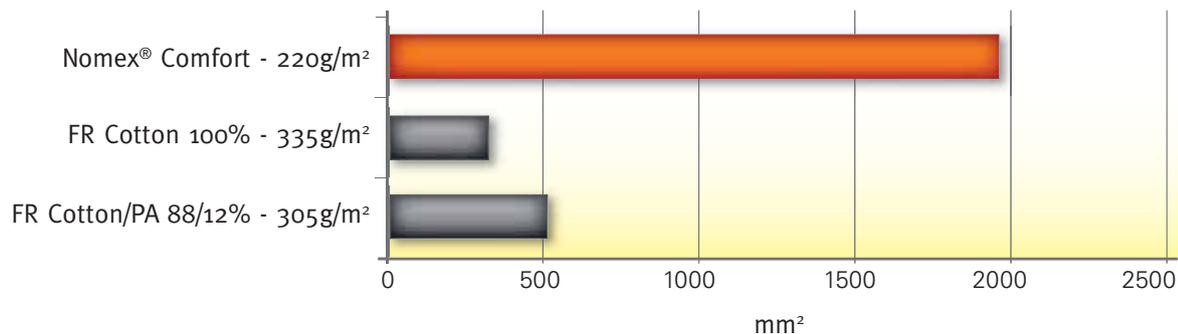
Sweat wicking time



Tested according to TEGEWA droptest

■ Treated Cotton
■ Nomex®

Sweat propagation after 1 minute



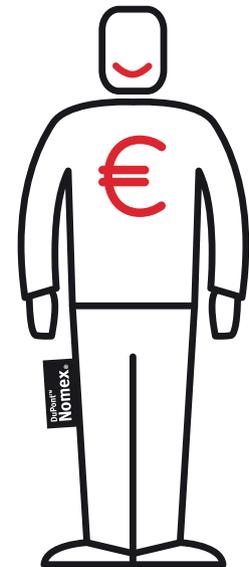
Innovative Nomex® fabrics dissipate sweat much more quickly than other solutions, **making the wearer feel dry and more comfortable.**

Cost-Effectiveness

DuPont™ Nomex® is a highly cost-effective solution in terms of cost per wear thanks to its **exceptional durability**.

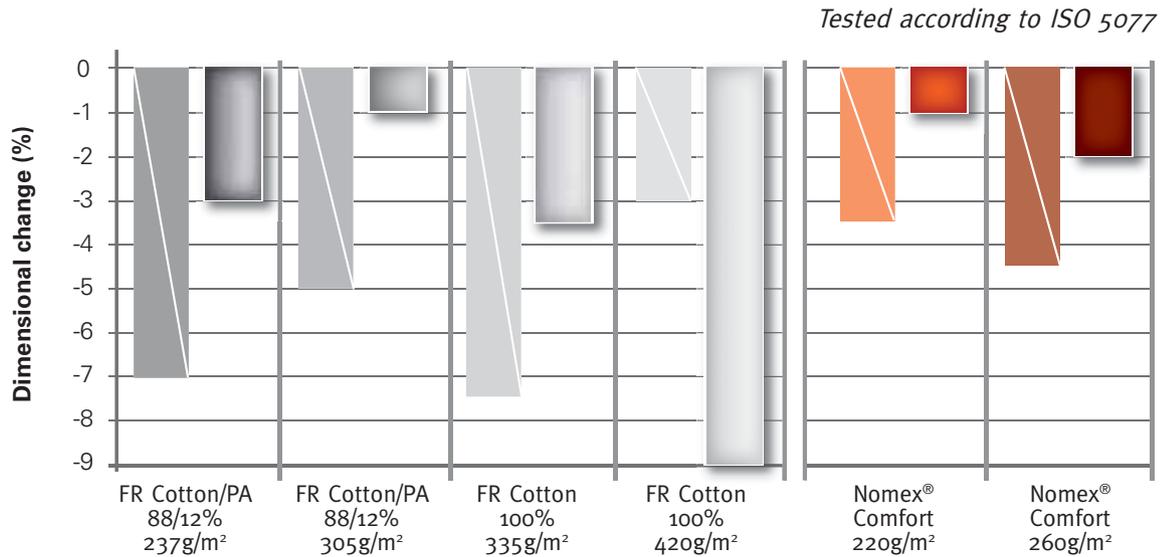
Nomex® garments offer better strength and lower shrinkage after washing and drying than FR cotton. This leads to an **excellent professional appearance** over a longer lifetime.

Suitable for home or industrial laundry, Nomex® garments retain their inherent benefits throughout many washes, guaranteeing the **same level of protection** throughout their service life.



Less shrinkage

Dimensional change after 50 wash cycles



 
 Warp Weft

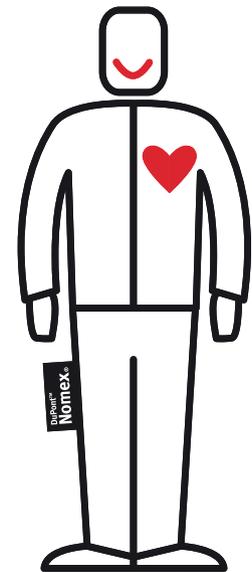
Nomex® shows excellent performance in shrinkage compared to FR cottons, contributing to a higher durability of garments.

Peace of Mind

Backed by a name you can trust:

Nomex® is made by **DuPont**, a recognized world-leader in the field of safety, with over 40 years' experience in the protective apparel market.

In Europe, DuPont™ Nomex® solutions are tested and monitored at the company's European Technical Center in Switzerland.



The Nomex® Quality Assurance:

Nomex® labelled garments are produced according to the highest technical standards using fabrics approved by DuPont and have become an **integral part of keeping people protected at work**. Certified Nomex® fabrics are visible to the end-user through the distinctive Nomex® labelling program:

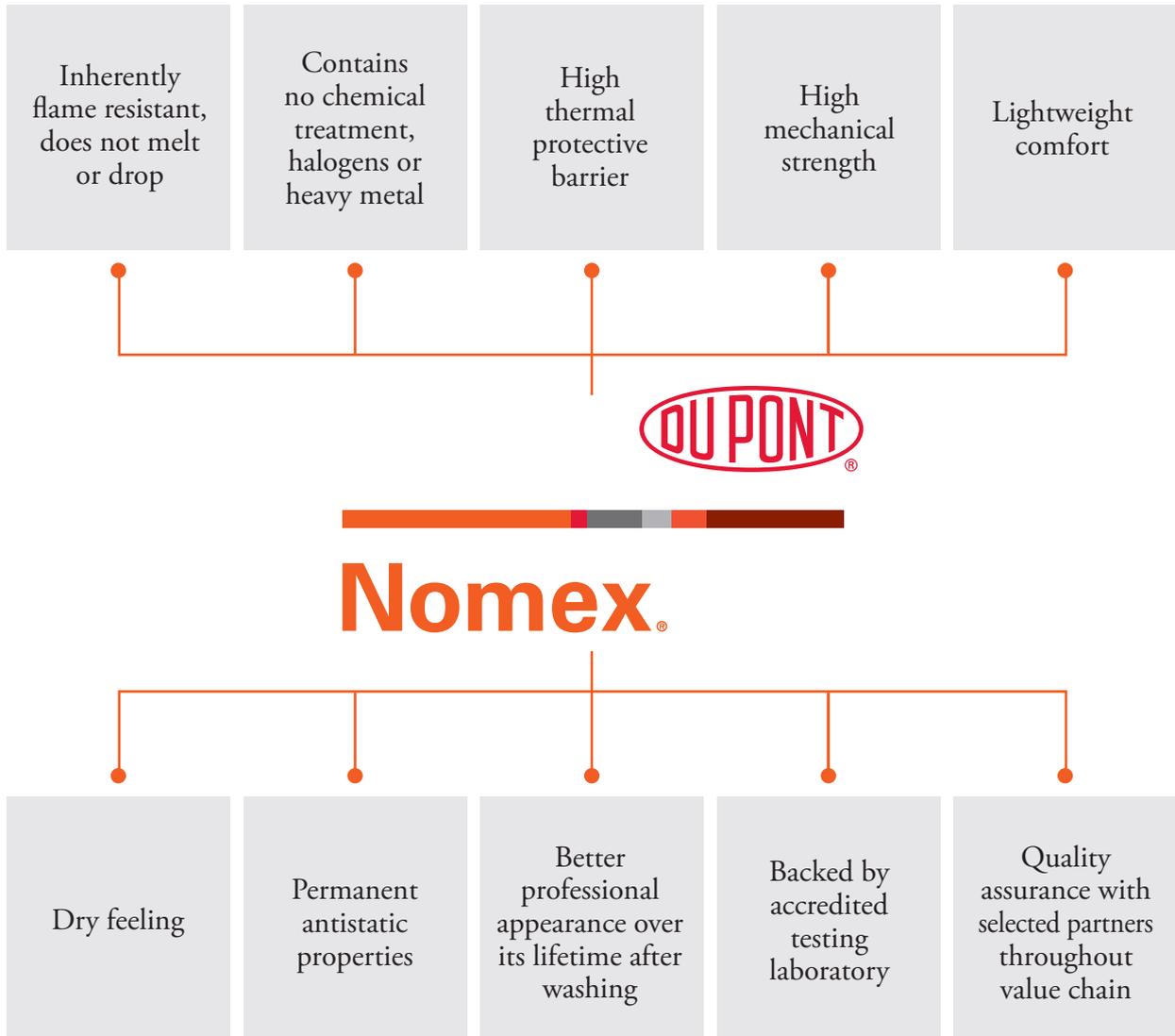


NOMEX®

As fabric construction and garment design play an important role in safety, DuPont works in close collaboration with carefully selected European partners – under the **DuPont™ Nomex® Partner Program** - to deliver the highest quality Nomex® solutions, ensuring maximum protection and peace of mind. This quality promise on products made of Nomex® based fabrics, together with the high standard of customer-oriented service, are represented by the Nomex® Partner label displayed inside the garments:



DuPont™ Nomex®: key benefits for protective apparel





For more information on the DuPont™ Nomex® solutions,
visit our website:

www.dpp-europe.com

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