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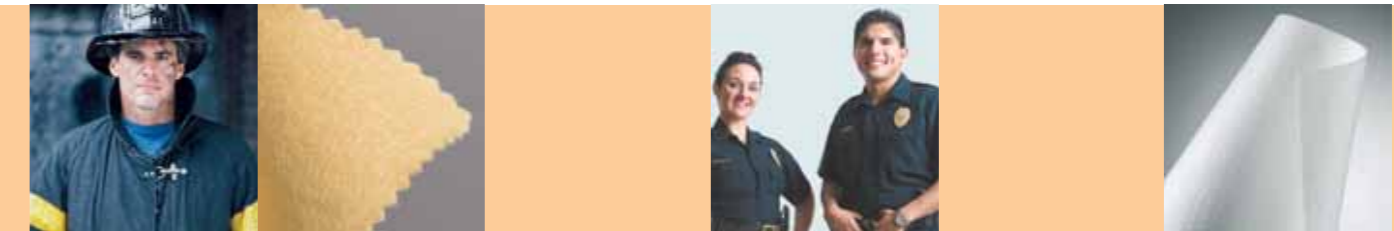
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Member of the Vernal  Group



Solution provider – Performance Apparel

Our products



Being a solution provider, Norafin has a clear focus on tailor-made concepts and customer demand.

Each day, around the world, our special and technical products offer enhanced safety in hazardous environments to a wide range of industry professionals, help sportsmen prevent from injuries in risky situations and enhance people's well-being. Innovative spunlace nonwovens protect fire-fighters in their struggle against the flames, make dangerous workplaces less threatening and offer enhanced comfort to wearers of functional apparel.

Be it in protective apparel, sports- or workwear, it is our aim to transform your need into the right product concept and offer a durable solution that supports a safer life.

With a focus on performance and efficiency, we supply highly-engineered and competitive nonwovens to garment makers supplying the sports and industrial markets around the world.

Thanks to vast investments in R&D we are able to launch innovative products to the functional apparel market and create advanced product applications that help our customers differentiate in their market segments. We not only do research in-house, but also attach great importance to a strong collaboration with international universities, research institutes and our business partners along the entire supply chain from the fiber to the end product. Thanks to our vast network and the intense cooperation with all participants of the production chain, we have the chance to offer a durable solution that helps increase safety at work and improve people's wearing comfort.

It is through our international sales organizations that we support you in bringing effective and profitable product solutions to your marketplace, since it is our commitment to provide assistance through the entire product development process. As we know how important performance is for all of us, we concentrate on finding cutting-edge solutions, improving quality and streamlining our processes.

We manufacture a wide range of spunlace product solutions for fire and chemical protection, specific industrial situations and performance sportswear in a variety of fabric weights and fiber options for specific product characteristics and economics.

We supply functional nonwovens that – thanks to the technology employed – offer a superior uniformity of the web, a well-structured appearance and enhanced homogeneity which leads to improved insulation properties while ameliorating the breathability of the fabric. Due to the additional insulation of Norafin's fabric, the number of layers used in functional apparel can be reduced resulting in a lower overall weight and minimized costs. Wearing comfort is achieved thanks to the textiles touch spunlace material offers. Since our fabrics can be individually engineered, we can always match your specific needs regarding product attributes and efficiency.

It is our aim to help improve the products of today and find the most efficient and effective solution of tomorrow by offering durable product concepts that support a safer life.

Innovative Product Alternatives

- multi-dimensional structures
- double-layering capabilities showing different functions on each side
- multi-layering capabilities for gradient functionalities
- lower basis weight variations
- variable fabric basis weights from 30 gsm up to 800 gsm

Spunlace:

Basis weight range: 30 – 750 g/m²

Line widths: 2.15 – 4.50 meters

Fibers used: Polyamide (PA), Polyester (PET), Polypropylene (PP), microfibers, splittable fibers, Viscose (FR), natural fibers, phenolic fibers, Meta-aramide, Para-aramide, Polyimide-amide (PIA), Polyimide, PTFE

Needlepunch:

Basis weight range: 80 – 800 g/m²

Line widths: 1.80 – 2.30 meters

Fibers used: Polyamide (PA), Polyester (PET), Polypropylene (PP), microfibers, splittable fibers, Viscose (FR), natural fibers, phenolic fibers, Meta-aramide, Para-aramide, Polyimide-amide (PIA), Polyimide, PTFE