



UNIQUE WETLAID CAPABILITIES

VERSATILE PRODUCT RANGE, FLEXIBLE MANUFACTURING

As a leading manufacturer of performance materials, Freudenberg produces state-of-the-art wetlaid nonwovens with highly uniform webs, high precision in weight and thickness, precise pore size and high porosity, and - above all - unmatched flexibility. Our product portfolio offers a wide range of possibilities in terms of weight, fiber fineness and product thickness, using synthetic, bio-based and glass fibers.

HIGHLIGHTS

- 100% synthetic wetlaid nonwovens (polyester, polyolefin)
- Very low to heavy weights
- Bulky synthetic nonwovens
- Ultrafine microfibers available
- Soft textile-like materials
- Uniform pore size and even distribution



For mainstream and niche applications

Surfacing veils for glass-fiber reinforced composites - Liquid filtration - Packaging - Acoustics - Battery separators - Heatshields - Embroidery substrate...



FREUDENBERG WETLAID PROCESS

The Freudenberg wetlaid process includes an inclined wire line for web formation and offers a variety of bonding processes which can be combined to achieve the product features required by the different markets and applications.

Chemical bonding



Thermal bonding



TECHNICAL DATA	
Fibers	polyester, glass, polyolefin, polyamide, viscose, pulp, polyvinyl alcohol
Fiber fineness	down to 3µm / 0.04 dtex
Bonding	thermal, chemical and a variety of combinations
Binders	acrylics, ethylene-vinyl acetate, polyvinyl acetate, polyurethanes, rubbers (NBR, SBR...)
Other options	fillers, functional agents
Weight	8 - 250g/m ²
Thickness	20 µm - 2 mm



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