

viledon[®]

HIGHEST PURITY AND EFFICIENCY

**IN COOLANT AND LUBRICANT FILTRATION
WITH VILEDON COOLTEXX**



This high-tech, Finnish rolling mill for flat steel relies on Viledon® cooltexx filter media.

HIGH DEMANDS ON COOLANT AND LUBRICANT FILTRATION

Whether for surface finishing or painting processes, when it comes to coolant and lubricant filtration, Freudenberg Filtration Technologies offers high-quality filter media for any system or machining process with the Viledon® cooltexx range of products. The Viledon® cooltexx non-woven fabrics developed specially for band filters are matched to the different demands of preparing industrial process liquids and offer the perfect combination of efficiency, versatility and the highest purity.

Expertise in filtration

Every application makes different demands on filter media. Our worldwide know-how and many years of experience are the foundation for tailored filtration solutions for our customers on-site. Our expertise and high quality standard offer the highest security even for sensitive applications.

Optimal services and consistent, certified quality – this is what our customers can rely on.

Viledon® cooltexx filter media

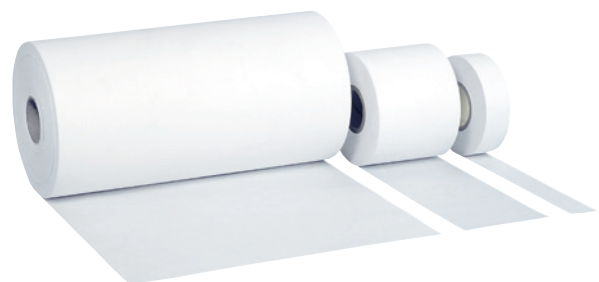
Reliable filtration of dirt and solid particles from all kinds of coolants and liquids:

- Oil/water emulsions
- Grinding, honing and cutting oils
- Washing, galvanic and phosphating baths



The benefit for our customers

- Viledon® cooltexx filter media
- Optimization of cooling lubricant quality and lifetime
 - Reduction in tool and equipment wear
 - Optimization of component purity and reduction in reject rates
 - Increased availability of machinery and longer periods between maintenance



VILEDON COOLTEXX

FILTER MEDIA FOR A HIGH SURFACE QUALITY

Filtration of coolants and lubricants

The proper preparation of cooling lubricants has a huge commercial significance in machining. The rising demands on surface quality and component purity are also increasingly affecting suppliers of upstream processes. We run our customers through the interaction cycles between the machining process, material and filter system and select the most suitable nonwoven fabric. Thanks to cooltexx filter media, all process parameters can be kept at optimal levels with low operating costs. The efficient filtration of particles is the foundation for consistently high product surface quality, long tool life as well as optimal coolant quality and lifetime.



Preparation of rolling oil and emulsions

Continuous and reliable filtration in the milling industry guarantees high surface quality of coils, foils or laminate materials. Viledon® cooltexx filter media optimally prepare cooling lubricants in rolling oil circulation systems, thereby guaranteeing consistently high process liquid quality. Freudenberg supplies special ultra-fine filter media for the high demands on the cleaning of rolling oils in cold rolling processes and the preparation of pickling baths. Special filter systems can thus separate out solid particles of down to 0.5 µm in size. These non-woven filter fabrics with strong separation properties are also optimally suited to the preparation of detergents due to the horizontal plate filters, as well as for use in the beverage can industry, among others.



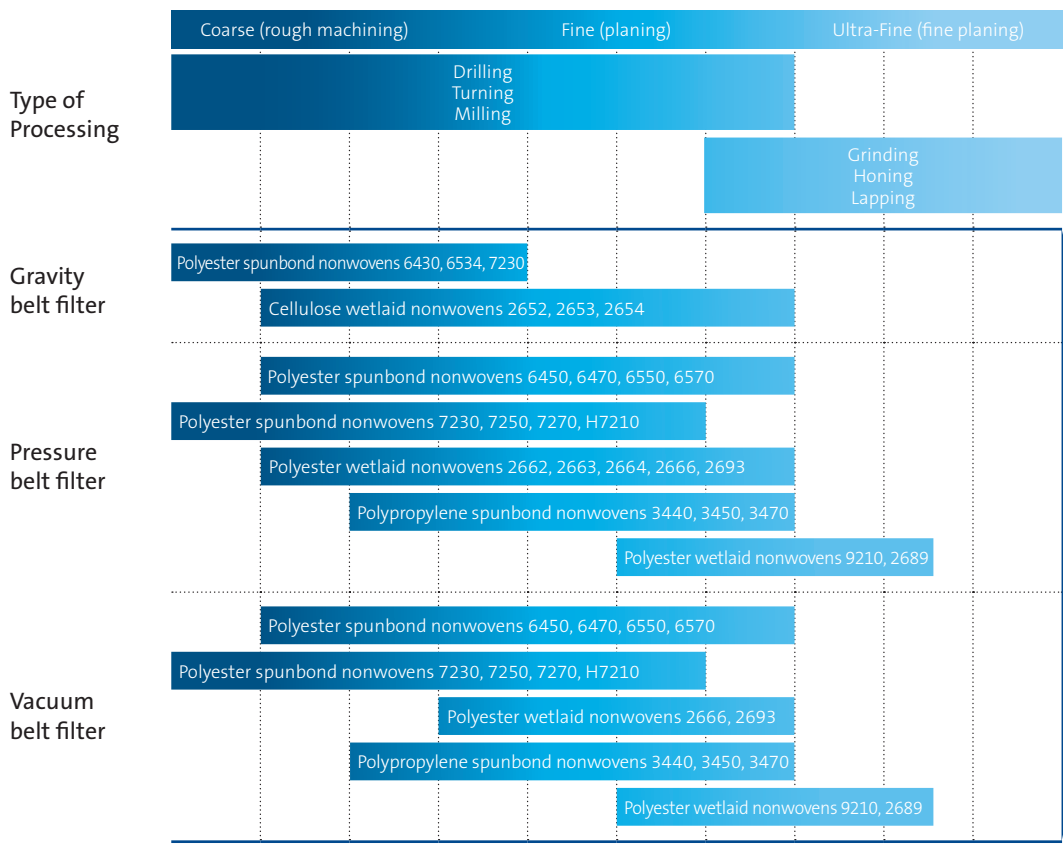
Filtration of washing and phosphating baths

Special nonwoven fabrics are needed for the filtration of washing, coagulation and phosphate baths. These are used in circulation processes for surface finishing or for cleaning individual components and finished products, among others. Freudenberg filter media are also perfectly suited for separating excessive foreign substances from painting processes. For each of these individual applications, we develop the optimal filter which is perfectly matched to the various chemical conditions and requirements.



Application-specific cooltexx product recommendations

Particle size 100 90 80 70 60 50 40 30 20 10 [µm]



Process Liquids

- Emulsions from mineral oil
- Partial / full synthetic emulsions
- Oil

Viledon® cooltexx is Freudenberg Filtration Technologies' comprehensive filter media for the treatment of industrial process liquids. We are pleased to inform you about our products and provide you with the perfect filtration solution for your individual application.

Please contact us for a personal consultation at

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