pluratexx

clear

Nonwovens for filtering oils and fuels

viledon®

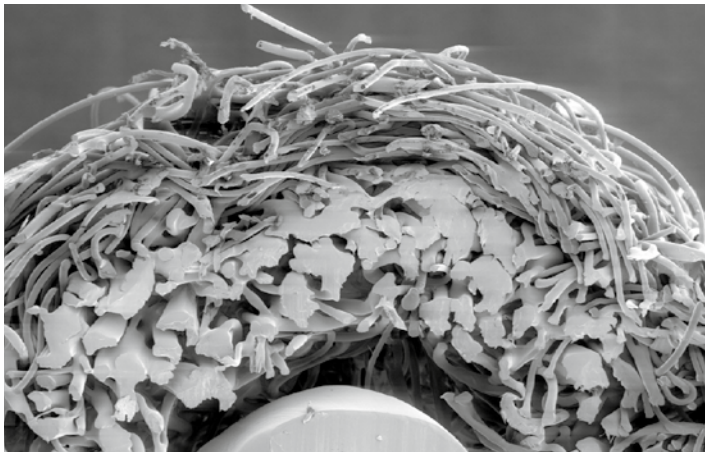
pluratexx

Pole position for pluratexx

One of the crucial components for increased efficiency and dependability of modern-day internal combustion engines is a high-performance filter. pluratexx from Freudenberg is an ideal solution here: because in contrast to the conventional cellulose papers used as oil and fuel filters, pluratexx is a newly developed fully synthetic nonwoven medium providing enhanced collection performance and extended filter lifetimes.

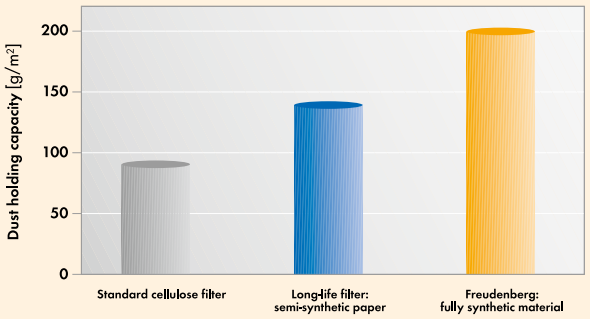
New power in oil filter design

In comparison to materials like conventional paper filters, pluratexx nonwovens are a veritable quantum leap, thanks to their innovative structure featuring 100% thermally bonded polyester fibers. This new material structure ensures a high level of collection efficiency and a high dust holding capacity coupled with a low pressure drop in the air flow. The excellent dust holding capacity enables the maintenance intervals to be prolonged. Alternatively the filter's dimensions can be reduced for the same useful lifetime, with dual savings in both weight and space. pluratexx filters do not contain any phenol resins, and thus do not release any formaldehyde during processing, yet they possess significantly longer resistance to modern-day aggressive high-performance engine oils, rendering them eminently suitable for FSI engines.



SEM picture of a high-performance filter

Dust holding capacity in the Multipass Test to ISO 4548-12

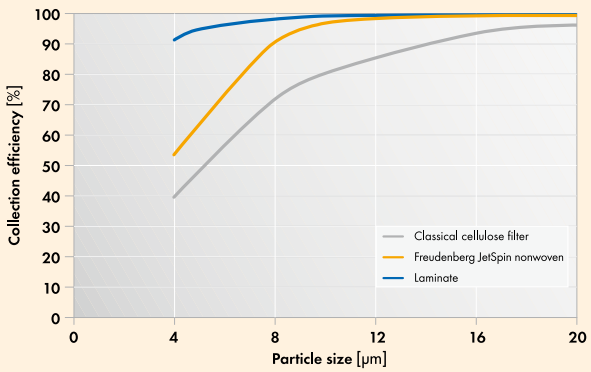


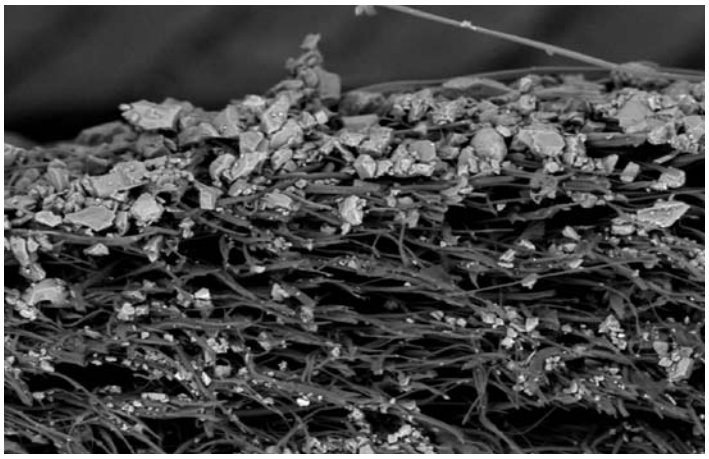
Turbo-charged fuel filters

Freudenberg has developed a broad spectrum of JetSpin nonwovens that, when incorporated, extend the useful lifetimes of traditional fuel filters made of paper. These new nonwovens are laminated onto the face side of the papers, acting as prefilters with a high dust holding capacity.

Here, too, the nonwovens contribute towards extending the filter's lifetime, or reducing the size and the weight required for the same performance. By virtue of their very low thermal shrinkage and their exceptional surface quality, pluratexx JetSpin nonwovens stand up very well to any further processing of the paper.

Collection efficiency of fuel filters to ISO 4548-12





SEM picture of a dust-laden synthetic fuel filter

We will be pleased to advise you on the subject of high-arrestance fully synthetic fuel filters, of the kind required for the new generation of common-rail diesel engines. Long useful lifetimes in conjunction with maximized filter efficiency are a challenge we are delighted to meet and master.

You will find further product information on nonwovens for liquid filtration on our website at

www.viledon-filter.com

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