

Why choose Bekaert?

Experience in the automotive industry

Bekaert is the trusted provider of a comprehensive range of steel cord and specialty steel wire for automotive component and tire makers around the world. From the smallest spring to the strongest tire cord, we can deliver safe and reliable products that allow for easy assembly, efficient production, fewer components, more power, and more. The automotive sector is the largest user of Bekaert products and accounts for 37% of combined sales.

Customer-driven innovation

If there's a way for us to bring your business to the next level, we'll find it. Because your designs and needs fuel our drive for innovation. Bekaert is the pioneer in designing, developing and producing metal nonwoven media on an industrial scale. Our experience of over 40 years has given us the flexibility and technical know-how to provide you with a solution that perfectly matches your quality and performance requirements.

Your experienced partner

Bekaert has the flexibility, the historical background, and the technical skills to create any steel wire no matter what shape, composition or mechanical characteristic. We have been producing continuously for over 130 years and are available in over 120 countries.

Our service has no borders

Would you like to know more about our products and services? Contact one of our experts in your area and they'll be happy to help you.

bekipor@bekaert.com
http://bekipor.bekaert.com

Bekaert Belgium

Bekaertstraat 2
BE-8550 Zwevegem
T +32 56 76 65 37
F +32 56 76 79 66

Bekaert do Brasil

Av. Marechal Rondon, 1215
Prédio ADM 2º Andar
BR-06093-900 Osasco/São Paulo
T +55 11 2147 8535
F +55 11 2147 8758

Bekaert NAFTA

1395 South Marietta Parkway
Building 700, Suite 708
US-Marietta, Georgia 30067-4440
T +1 770 421 8520
F +1 770 421 8521

Bekaert Japan

4F, 1-2-5, Kyobashi, Chuo-ku
JP-Tokyo 104-0031
T +81 3 3243 2540
F +81 3 3243 2521

Bekaert China

17F, Block E, Waterfront Place
No. 31, Lane 168, Daduhe Road
CN-200062 Shanghai
T +86 21 2219 7000
F +86 21 2219 7399

Bekaert South Korea

3F Changwoo Bldg.,
#553 Dogok-Dong, Gangnam-gu
KR-Seoul 135-270
T +82 2 539 8760
F +82 2 539 8780

Bekaert India

Survey No. 232/1+2, Plot No. 127,
Sakore Nagar, Lane No. 1, Vimannagar
IN-Maharashtra, Pune 411014
T +91 20 66276600
F +91 20 66276601

Bekaert is a world market and technology leader in steel wire transformation and coating technologies. To be the preferred supplier of steel wire products and solutions, we consistently deliver superior value to our customers worldwide. Bekaert (Euronext Brussels: BEKB) was established in 1880 and is a global company with approximately 30 000 employees worldwide.

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Diesel particulate filtration media



The durable and fuel efficient filter media

Bekaert metal fiber media

Bekaert metal fiber media for diesel particulate filters consists of a multi-layer fleece of sintered Fecralloy® fibers. It is a flexible medium that can be easily pleated, rolled, corrugated or used in a flat configuration. This offers numerous design options for both open and closed filters, serving any filter type including DOC and POC. To enhance the chemical properties of your filter design, Bekaert metal fiber media can be easily coated.

Strong in efficiency, flexible in design

To meet the varied needs of today's transport industry and emission standards you need a filter substrate that scores high in efficiency and reliability.

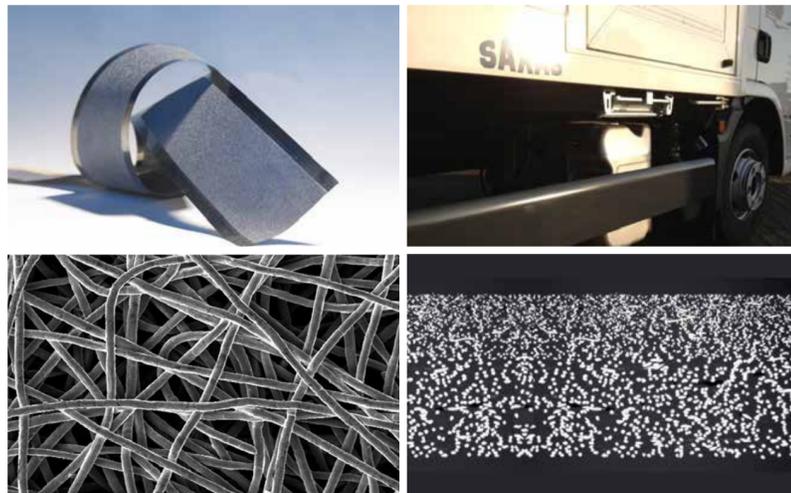
Unlike traditional substrates such as mesh and ceramics, a metal fiber medium captures the PM in-depth, instead of on the surface. This technology enables a larger dirt holding capacity (PM and ash) while maintaining a low pressure drop. These characteristics increase the efficiency of your exhaust filter at a lower Δp .

The electric conductivity of the metal fibers allows active regeneration throughout the filter. This process requires lower exhaust temperatures and/or exhaust flow rates and thus less fuel.

Moreover, thanks to the high thermal and mechanical stability and high corrosion resistance of the fibers you'll increase the lifetime of your filter significantly.

Benefits

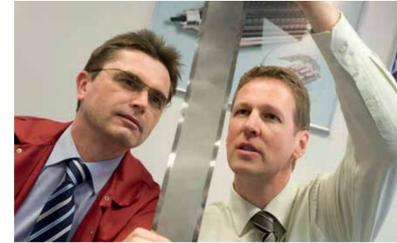
- less fuel consumption
- resistant to thermal shock (less brittle)
- adaptable media characteristics (composition and fiber diameter)
- flexible design and coating possibilities
- allows electrical active regeneration even at low temperatures



Produced according to international standards

Bekaert has been producing metal fiber media for over 10 years. Having a clear understanding of the needs of the market, we are able to provide products that meet specific customer requirements at international automotive quality standards.

By performing best practices across locations, divisions, continents and teams, our products are continuously evaluated and measured to ensure the highest quality. These efforts resulted in ISO9001 and ISO14001 certification for all our plants.



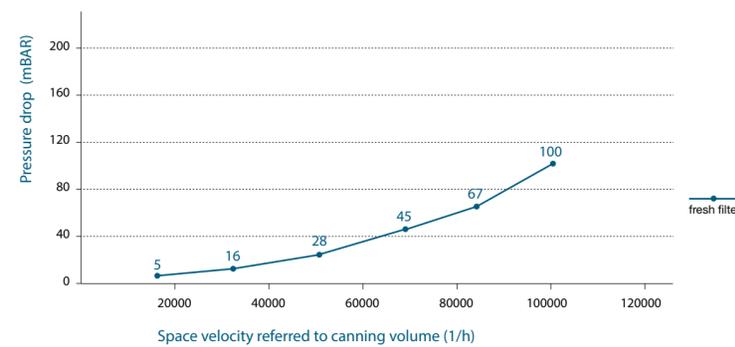
Proven performance

To make sure that our products live up to the constantly evolving needs of the filter industry, we invest heavily in research. To prove and test the performance of our metal fiber media, we conduct frequent efficiency tests at our own research laboratories as well as independent and internationally recognized research institutes.

The following graphs give you just a few test results that prove the many possibilities of Bekaert metal fiber media and how they can improve the performance of your filters.

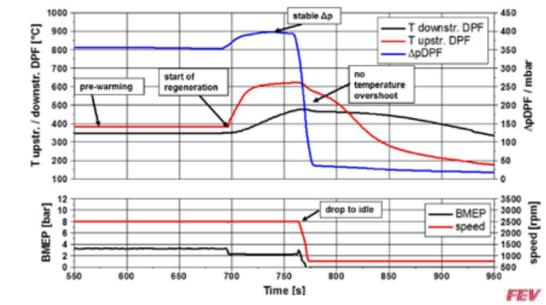
Volume flow

DPF pressure drop in function of space velocity



Thermal shock: test performed at 5.5 g/l and 620°C

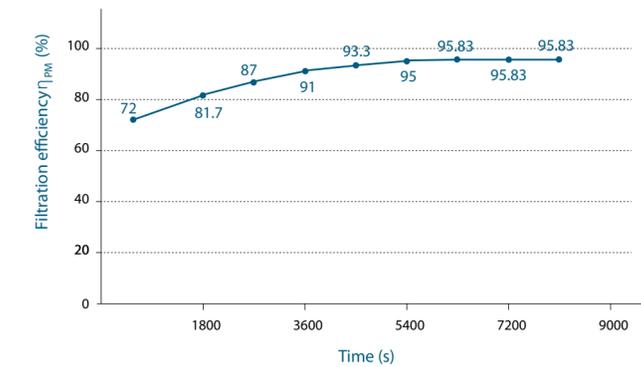
This test shows that no exothermic reactions from metal fibers occur in Bekaert metal fiber media based filters.



Efficiency

Depending on media type and filter design, efficiencies more than 80% can be reached.

Soot loading up 3.6 g/l



Regeneration: test with 4 g/l initial loading

