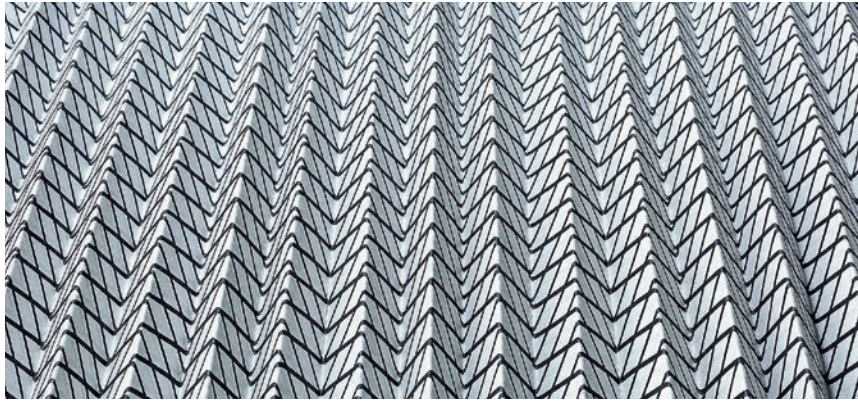


ANTISTATIC FILTER MEDIA

FOR VILEDON DUST REMOVAL ELEMENTS

viledon®



Freudenberg – the origin of filter media

- Antistatic filter media, finished with a Freudenberg raster print on both sides, applied by carbon suspension, offer:
 - High operational dependability without any restrictions on filter performance
 - Maintaining antistatic properties even when handling abrasive dusts or even after being washed in conformity with our washing instructions
- DEKRA test reports with electrical surface and volume resistances of $< 10^8 \Omega$ are on file.
- Thanks to full-area thermal bonding of the media, very smooth nonwoven surfaces are achieved. The dust cake is thus removed much more effectively during cleaning than is the case with spunbonded nonwovens which are point-sealed or line embossed.



Reg. No. 001420 QM/UM

Freudenberg Filtration Technologies SE & Co. KG
Weinheim / Germany

Choose the right medium for your specific application!

Depending on the application involved, different variants are used, offering you the optimum solution to your dust removal problem with maximized reliability:

FE 2516-SINUS

- Polyester staple-fiber nonwoven with microfibers and sinusoidal Freudenberg corrugation for all dusts with residual-dust requirements of $< 1 \text{ mg/m}^3$.*

FE 2518

- Polypropylene wet-laid nonwoven for nonabrasive dusts with residual-dust requirements of $< 1 \text{ mg/m}^3$.*

The measurements of **fractional collection efficiencies** prove it: A high percentage of even ultra-fine dusts is arrested, thanks to the more homogeneous fiber structure compared to spunbonded nonwovens. The FE 2516 and FE 2518 media thus comply with ever-more-stringent emission guidelines.

* depending on the operating conditions involved

FE 2519

- Polyester spunbonded nonwoven for all non-abrasive dusts with residual-dust requirements of $< 5 \text{ mg/m}^3$.*
- The material is particularly well suited for use in cartridges, replacing needle-punched nonwoven bags, as filter medium for fiber-containing dusts or as a base material for lamination with a PTFE membrane.

FE 2523

- Polyester spunbonded nonwoven coated with a PTFE membrane on one side. The material is particularly well suited for arresting oil-free, sticky or smoky dusts with residual-dust contents far below the gravimetric detection limit.

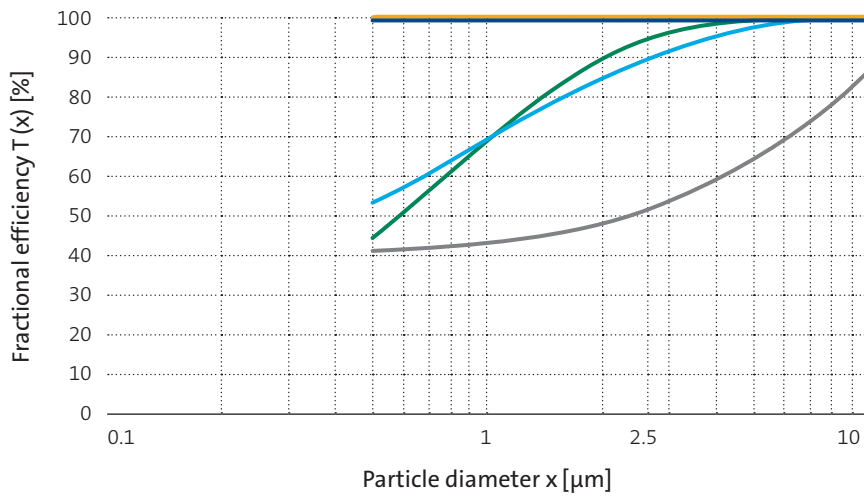
FE 2576-SINTEX PLUS

- Polyester staple fiber nonwoven with sinusoidal Freudenberg corrugation and nano-fiber lining (sinTexx Plus). The filter material excels in terms of extraction of fine dust and smoke for outperforming the statutory limit values.



TECHNICAL FILTER TEST DATA

Fractional efficiencies of antistatic Viledon® filter media, measured on a test rig to VDI 3926 and particle counter. Test dust: limestone, $x_{50} = 1 \mu\text{m}$



— FE 2516, No dust loading
 — FE 2518, No dust loading
 — FE 2576, No dust loading
— FE 2519, No dust loading
 — FE 2523, No dust loading

For every application, the right filter medium with the right arrestance characteristics

ANTISTATIC FILTER MEDIA		FE 2516-SINUS	FE 2518	FE 2519	FE 2523	FE 2576-SINTEX PLUS
Weight	g/m ²	250	130	260	280	250
Air-permeability at 2 mbar	m ³ /m ² h	290	230	2,700	320	550
Dust class to DIN EN 60 335-2-69, Annex AA		M	M	L	M	M
Silica efficiency according to EN 60335-2-69, Annex AA	%	> 99.9	> 99.9	> 99.5	> 99.95	> 99.95

The figures given are mean values subject to tolerances due to normal production fluctuations. Our explicit written confirmation is always required for the correctness and applicability of the information involved in any particular case. Subject to technical alterations.