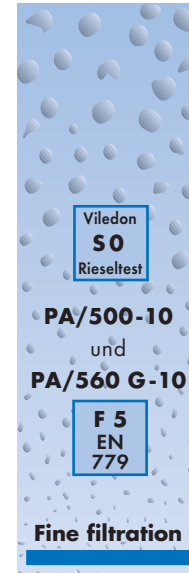


The PA duo: The professional filter mats for gleaming paintwork Filter class F 5



viledon®

The application

In surface treatment applications, the

- ▶ PA/500-10
- ▶ PA/560 G-10

filter mats are acknowledged as standard equipment. The main field of application for these fine filters is final intake air filtration in paint spray systems and booths.

The media and their characteristic features

▶ The mats are made of **high performance nonwovens produced inhouse from elastic, break-resistant polyester fibers**. These nonwovens are thermally bonded and specially smoothed on the clean air side, in order to assure excellent fiber bonding. In addition, the fibers are specially processed to provide an **actively adhesive surface**.

▶ The filter media are **progressive in structure**, with layers of differing fiber diameters being arranged behind each other so as to ensure that the density of the fiber layers increases towards the clean air side. This optimizes the defined filter performance and the dust holding capacity, resulting in **longer useful lifetime for the filter concerned**.

▶ **Fire behaviour:** Viledon filter media satisfy the stringent requirements of Fire Class F1 according to DIN 53438 and are thus **self-extinguishing**.

▶ **Certified quality:** PA filter mats have been **impartially type-tested** according to EN 779 and are manufactured under our certified quality management system to ISO 9001. This offers all users the reassuring certainty that all filters will be supplied in consistently high standardized quality, documented by marking the filter mat with brand name, type designation and filter class, as well as DIN mark of conformity plus model validation number for PA/560 G-10.

| | | PA/500-10 | PA/560 G-10 |
|--|------------------|--|---------------------------------|
| ▶ Weight, approx. | g/m ² | 500 | 580 |
| ▶ Thickness, approx. | mm | 25 | 25 |
| ▶ Thermal stability | °C | up to 100 briefly up to 120 | up to 100, briefly up to 120 |
| ▶ Moisture resistance, rel. humidity | % | up to 100 | up to 100 |
| ▶ Supplied as rolls, useful width/length | mm/m | 2000/20 | 2000/20 1600/22 |
| ▶ Supplied as cut pieces | mm | Pieces cut to customer's specification | |

The special features of the PA duo

▶ Both filter mats ensure **practically 100% arrestance of particles >10 µm** which might cause visually perceptible surface imperfections. This means maximized protection against paintwork defects for the user.

▶ The **actively adhesive surface of each individual fiber** of the filter media ensures permanent retention of particles already collected throughout the entire operating lifetime.

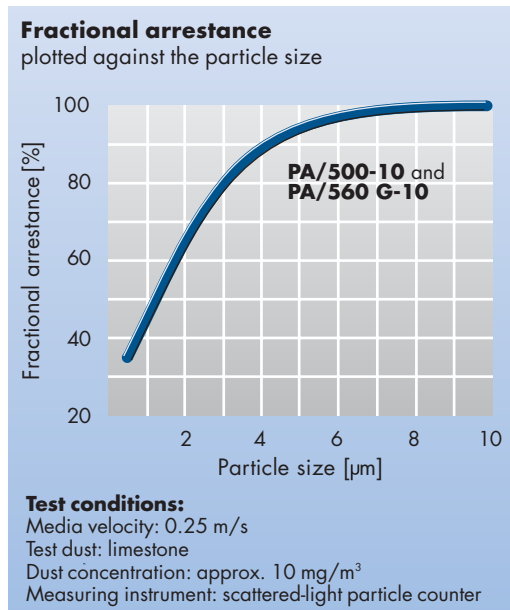
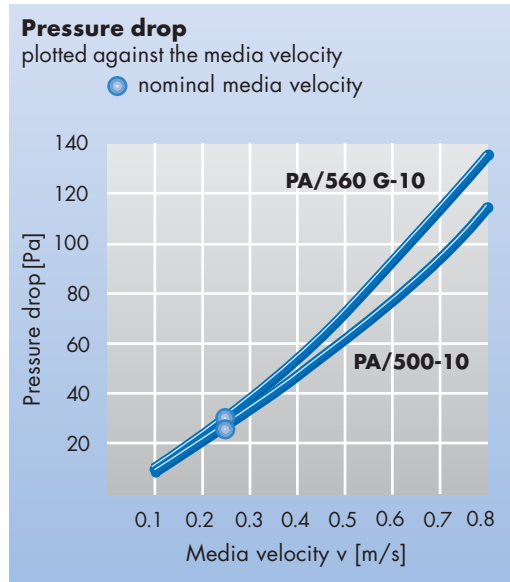
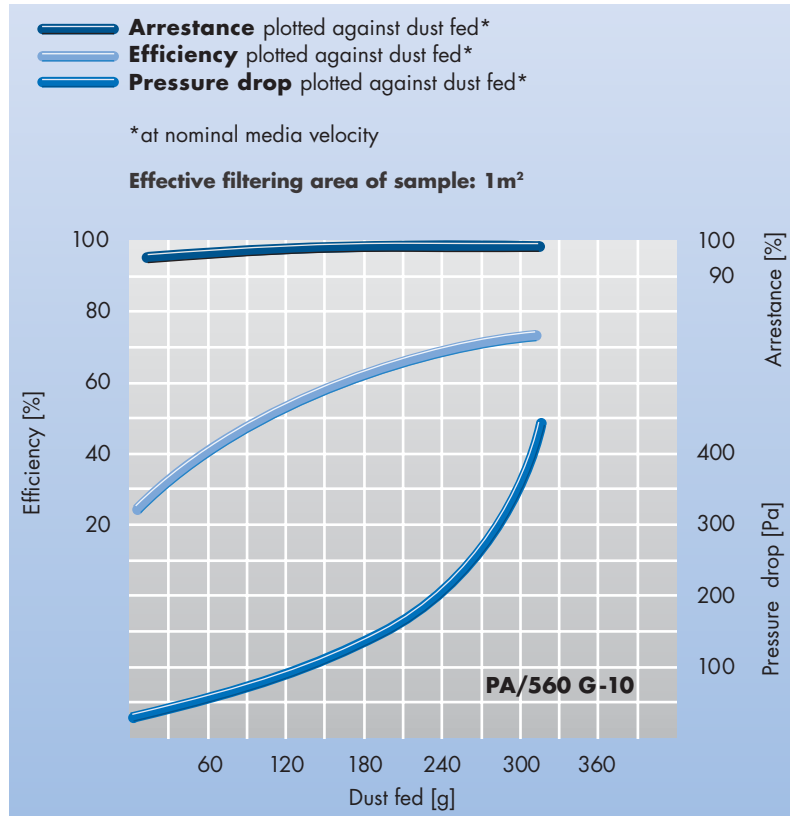
▶ PA filter mats qualify for the **highest "SO" class in the Viledon migration test** acknowledged throughout the market. For further information, please consult our special brochure entitled "Surface Treatment".

▶ **PA/560 G-10** additionally features a **reinforcing scrim on the clean air side**. This enhances the filter mat's stability and reduces the risk of damage to the clean air side during installation.

▶ PA filter mats are **resistant to solvent vapours** and contain **no silicone**.



Technical filter test data in accordance with EN 779



| | | PA/500-10 and PA/560 G-10 | |
|--------------------------|----------------|----------------------------------|---------|
| ▶ Average arrestance | A _a | % | 98 / 99 |
| ▶ Average efficiency | E _a | % | 50 / 55 |
| ▶ Nominal media velocity | ● | m/s | 0.25 |
| ▶ Initial pressure drop | | Pa | 25 / 30 |
| ▶ Final pressure drop* | | Pa | 450 |
| ▶ Dust holding capacity | | g/m ² | 300 |

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

You will find instructions on how to handle and dispose of loaded filters in our information on product safety and eco-compatibility.

Subject to technical alterations.

* For cost-efficiency or system-specific reasons it may be appropriate to change the filters before reaching the stated final pressure drop.

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