# Filtration media Polyester
# Fine filtration mat V400S

Similar to picture

| Filter class acc. to ISO 16890 | Particle efficiency | | Filter class acc. to EN 779:2012 |
|---|---|---|---|
| ISO ePM10 50 | $ePM_1$ | 4 % | M5 |
| | $ePM_{2,5}$ | 6 % | |
| | $ePM_{10}$ | 50 % | |

## Operating conditions:

| | |
|---|---|
| **Max. humidity resistance** | 100 % |
| **Max. temperature** | 80 °C |
| **Recommended final pressure drop** | 300 Pa |
| **Potential nominal air flow** (short term usage possible) | 1,25 x nominal air flow |
| **Fire behaviour** | DIN 53438 - 3 (F1) |

| | |
|---|---|
| **Medium** | Polyester |
| **Media color** | White |

Store in a dry and clean place, protect from moisture and sunlight. Ensure sufficient air supply. Store the rolls vertically.
Storage temperature between 5 °C and 40 °C.
Storage time max. 2 years from the delivery date.
Storage and transport in the original packaging.

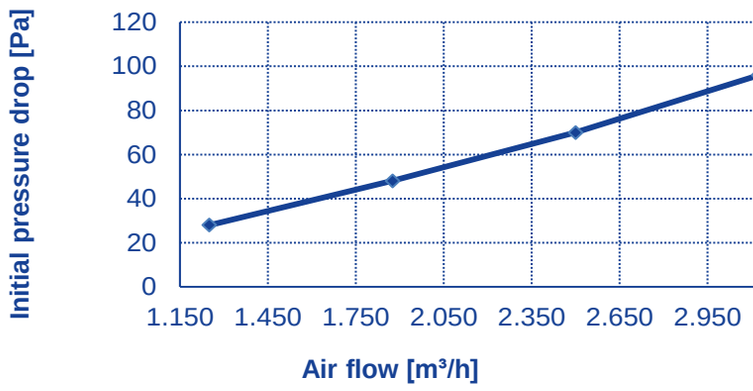
## Technical data

| | | |
|---|---|---|
| **Filter area** | [$m^2$] | **1** |
| **Surface weight approx.** | [$g/m^2$] | **400** |
| **Material thickness approx.** | [mm] | **20,0** |
| **Recommended nominal air flow** | [$m^3/h/m^2$] | **2.500** |
| **Air velocity** | [m/s] | **0,69** |
| **Initial pressure drop** | [Pa] | **70** |

## Product benefits:

- Shater-proff synthetic fibres
- The filter media is compressed towards clean air side allowing the full depth of the media to absorb dust
- Thermally bonded
- Testing for paint compatibility by Fraunhofer IPA
- For fine dust filtration in all types of air conditioning and ventilation and general industrial painting

## Initial pressure drop




## Versions:

- Rolls in standard dimensions
- Rolls in special dimensions and custom prints available-depending on the quantity
- Cut pads available
- Pad holding frames available
- Custom shapes can be produced
- Also available as filter tube or filter bag

- Standard roll lenght: 20,00 m
- Max. roll width: 2,30 m
- Max. cut lenght: 10,00 m

Fraunhofer IPA

EUROVENT CERTIFIED PERFORMANCE
Certificate No.:15.06.011
Volz Luftfilter GmbH & Co. KG
www.eurovent-certification.com

Notice:

All information and illustrations are sole property of Volz and are provided to the best of our company´s knowledge. Yet our company does not take over any warranty for the completeness and/ or correctness and cannot be held liable for any damage occurring to the recipient through the use or through her or his trust in the completeness and/ or correctness of the information. The given data are mean values with tolerances due to normal production variations and do not release the recipient from own checks, investigations and test. Furthermore, all data serve as service description and shall not be interpreted as a warranty for composition or service life. Volz reserves the right to change specifikations without notice.

**VOLZ Luftfilter GmbH & Co. KG**
Manfred-Volz-Straße 3 / D-72160 Horb am Neckar / Tel.: +49 7451 5516-0

*TSM / IAT / 2021.08.11*
*Replaces all previous versions of this data sheet*
*TDS V0.0.1 / APP V0.8.2*