

# FILTER MATS OF THE PSB SERIES

viledon®

HIGH DUST HOLDING CAPACITY. STABLE ARRESTANCE. SELF-EXTINGUISHING.



## APPLICATION

- intake air filtration in all kinds of ventilation systems
- particularly for coarse dust arrestance and as prefilter stages

KEY DATA	PSB/145 S 40 / 2000	PSB/275 S 30 / 2000	PSB/290 S 20 / 2000
Article number	7833647	53375688	8019407
Filter class acc. to EN 779:2012	G2	G3	G4
Class to ISO 16890	ISO coarse 30%	ISO coarse 45%	ISO coarse 60%
Initial gravimetric arrestance [%]	30	45	62
Initial pressure drop [Pa]		22	
Recommended final pressure drop [Pa]		250	
Thermal stability [°C]		100	
Moisture-resistance (rel. hum.) [%]		100	
Thickness approx. [mm]	10	15	20
Filter medium		PES	
Nominal media velocity [m/s]	2	1.5	1
Average arrestance [%]	70	83	91
Dust holding capacity (AC fine / 200 Pa) [g/m <sup>2</sup> ]	3,600	3,200	2,600
Packaging unit [units/carton]		1	
Weight per unit area approx. [g/m <sup>2</sup> ]	120	180	300
Supplied as rolls, useful width/length [mm/m]	2000 / 40	2000 / 30	2000 / 20
Supplied as cut pieces/rolls [mm]		+ / +	

## MEDIA AND CONSTRUCTION CHARACTERISTICS

- high performance nonwovens produced inhouse.
- filter media: elastic, break-resistant polyester fibers with thermal bonding.
- self-extinguishing filter media according to DIN 53438 (Fire Class F 1).
- certified quality: according to EN 779 and ISO 16890 tested and is manufactured under our certified quality management system to ISO 9001. Documented by marking the filter mat with brand name, type designation, and filter class.

## FEATURES AND PLUSES

- high dust holding capacity results in long useful lifetimes.
- stable arresance in spite of high dust loading and high air flow rates.
- arresance and dust holding capacity are very well harmonized.

The information or figures given are subject to tolerances due to normal production fluctuations. Our explicit written confirmation is required in each case for the correctness of the information. Subject to technical alterations. You will find instructions on how to handle and dispose of loaded filters in our information on product safety and eco-compatibility

**FREUDENBERG FILTRATION TECHNOLOGIES**

Contact us

[www.freudenberg-filter.com](http://www.freudenberg-filter.com)

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