



## Technical data sheet for spare filter mats FM1... and rolled goods RW1...

Filter class according to EN779	G2	G3	G4
Filter class according to ISO 16890	ISO coarse30%	ISO coarse55%	ISO coarse75%
	FM12.../RW12...	FM13.../RW13...	FM14.../RW14...
Weight, approx.	100 g/m <sup>2</sup>	200 g/m <sup>2</sup>	350 g/m <sup>2</sup>
Thickness, approx.	8 mm	14 mm	20 mm
Thermal stability	up to 100 °C	up to 100 °C	up to 100 °C
Moisture-resistance ( rel.hum.)	up to 100 %	up to 100 %	up to 100 %
Initial arrestance	33%	57%	75%
Examination surface	0,37 m <sup>2</sup>	0,37 m <sup>2</sup>	0,37 m <sup>2</sup>
Nominal media velocity	2m/s	1,5m/s	1m/s
Initial pressure drop	30 Pa	30 Pa	30 Pa
Recom. final pressure drop	250 Pa	250 Pa	250 Pa
Dust holding capacity approx. AC fine up to 200 Pa	700 g/m <sup>2</sup>	700 g/m <sup>2</sup>	700 g/m <sup>2</sup>
Possible cutting tolerance	+ 3 bis -5 mm < 2300 mm		

### Characteristics:

- Filter class **G2/G3/G4** according to **EN779**
- **Filter class ISO coarse 30% / ISO coarse 55% / ISO coarse 75% according to ISO 16890**
- high performance nonwovens from elastic, break-resistant polyolefine fibers with terminal bonding
- progressive in structure, with layers being arranged behind each other so as to ensure that the density of the fiber layers increases towards the clean air side
- this optimized the defined filter performance and the dust holding capacity, resulting in longer useful lifetime for the filter concerned (slow pollution and high durability)
- **complete regenerative** for several times by careful washing, beating or spraying (long lifetime)
- high mechanical strength of the material used offers good dimensional stability throughout the operational lifetime
- thanks to the polyolefine fibers used in the medium, the filter mats are **widely resistant to** chemicals like solvents, acids and alkalis
- fire behaviour: the filter mats satisfy the stringent requirements of Fire Class F1 according to DIN 53438 and are thus self-extinguishing

### Technical changes and errors are excepted