



Technical data sheet for spare filter mats FM3...

Filter class according to EN779	G2	G3	G4
Filter class according to ISO 16890	ISO coarse30%	ISO coarse45%	ISO coarse60%
	FM32...	FM33...	FM34...
Weight, approx.	120 g/m ²	180 g/m ²	300 g/m ²
Thickness, approx.	10 mm	15 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	30%	45%	62%
Examination surface	0,37 m ²	0,37 m ²	0,37 m ²
Nominal media velocity	2m/s	1,5m/s	1m/s
Initial pressure drop	22 Pa	22 Pa	22 Pa
Recom. final pressure drop	250 Pa	250 Pa	250 Pa
Dust holding capacity approx. AC fine up to 200 Pa	500 g/m ²	700 g/m ²	750 g/m ²
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 45% / ISO coarse 60% 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