

Filter mats

Filter mats are manufactured from carefully selected polyester or polypropylene fibres depending on the application, joined by means of fusion of binder fibres, which configure the final non-woven grades G2 to F6 complying with the standards DIN and EN 779.

PGI filter mats are made using the gradient density technology, which increases the density from the more to the less porous fibres, which makes possible a significant increase in the performance and durability of the filter. The achievement of a progressive structure in all PGI filters is based on over 50 years of experience of research in the area of non-woven fabrics. These filters are classified as F1 according to DIN 53438, self-extinguishing and all PGI filters are free from silicone.

F5-F6 filter mats, PE series



Made from selected 100% polyester fibres, specifically designed for the filtration of paint booth roofs and similar processes, in which particles greater than 5 or 10 microns represent a threat for the final finish of the product, as well as in those requiring a much higher performance filter. The entire range of PE filter mats is classified according to DIN, EN 779 and marked according to grade and the aspect of clean air. They are classified as F1 according to DIN 53438, self-extinguishing.

G2-G4 filter mats G2-G4, PE series



Made from selected 100% polyester fibres and specifically designed for pre-filtration and ventilation systems, air-conditioning and industrial processes. The entire range of PE filter mats is classified according to DIN, EN 779 and marked according to grade and the aspect of clean air. They are classified as F1 according to DIN 53438 self-extinguishing.

G2-G4 filter blankets, PP series



Made from selected 100% polypropylene fibres, they are specifically designed for pre-filtration and ventilation systems, air-conditioning and industrial and environment-related processes in the presence of oil or chemical mists, where a high performance filter is required. The entire range of PP filter mats is classified according to DIN, EN 779 and marked according to grade and the aspect of clean air. They are classified as F1 according to DIN 53438, self-extinguishing.

Filter mats

Key parameters:

- Produced from polyester or polypropylene fibres through carding process and thermal bonding, or directly from glass fibres.
- Progressive structure ensuring the density of the fibre layers increases towards the clean air side; then with longer filter use lifetime.
- Printing on clean air side with type / filter class.

Key characteristics:

- Certified quality: each type of filter media roll has been impartially tested according to EN 779.
- Fire resistance : comply with DIN 53 438 F1 level for synthetic materials.
- Temperature resistance : Max 90°C for synthetic materials, Max 200°C for glass media.
- Silicon free.
- Resistance to relative humidity: up to 100% R.H.



	ECO	Long Life	High Efficiency	Fiber glass
Filter class	G2-G3-G4-F5	G2-G3-G4-F5-F6	G2-G3-G4-F5	G4-F5
Fibres	Polyester	Polyester	Polypropylene	Glass
Key parameter	Low initial pressure drop Economical	Best ratio Performance/cost Long life time	Chemical resistance	High temperature resistance
Roll size	G2 40m x2m G3 30m x2m Others 20m x 2m	G2 40m x2m G3 30m x2m Others 20m x 2m	G2 40m x2m G3 30m x2m Others 20m x 2m	10 m x 1.5 m
Typical applications	Air conditioning prefiltration	Industrial prefiltration and spray booth ceilings	Industrial applications with aerosols	Ovens and drying systems



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