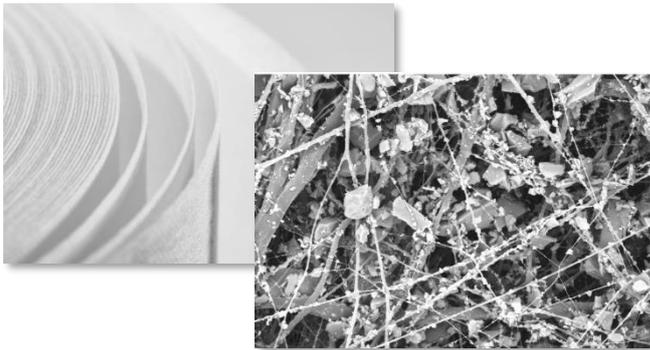


100% Synthetic for Your Filtration Business

IREMA Filter Media



Features & Benefits

- ✓ 100% synthetic
- ✓ Excellent fiber stability
- ✓ 100% humidity resistant
- ✓ Microbial inert acc. to DIN EN ISO 846
- ✓ Excellent efficiency
- ✓ High dust holding capacity
- ✓ No fiber shedding through endless fibers
- ✓ 100% incinerable
- ✓ Fire classification F1 to DIN 53438-3
- ✓ Long filter lifetime
- ✓ Applicable for different standards
- ✓ Customized media development upon volume
- ✓ Standard rolls from stock
- ✓ Customized roll widths

MEDIA DESIGN in 3D.

Our most recent filter media developments feature a **multi-layer structure** with a **pre-filter layer**, followed by **progressive depth filtration layers**, thus achieving a **highly improved filter lifetime and energy efficiency**. All our fibers are produced in a solvent-free, melt-based and environmentally friendly proprietary process and **do not contain any chemical binder**. The endless fibers are **highly damage resistant** and **totally non-shedding**.

The combination of different fiber diameters allows us to design and manufacture **progressive filter media in 3D**.

Polypropylene (PP) as the basic material has additional outstanding advantages. PP-material is hydrophobic and does not support the growth of microorganism such as bacteria, mold and fungi.

MACHINE TECHNOLOGY.

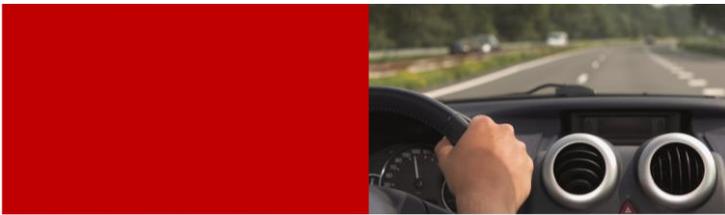
IREMA's filter media products are exclusively manufactured on production machines designed and built in-house. Our systems are highly automated, which leads to an excellent price-performance ratio. The specific manufacturing technology for our filter media enables us to design media out of coarse, fine and ultrafine fibers, either meeting standards or customer requirements.

APPLICATIONS.

IREMA filter media are used in a variety of applications where different technical features are a must:

- Cabin Air
- HVAC
- Engine Air
- Liquid Filtration





100% Synthetic for Your Filtration Business



Our range of filter media comprises different product categories featuring the following characteristics:

Micro 2000 - micro fibers

- Low pressure drop
- Excellently pleatable
- High fiber stability
- For many standardized filtration applications
- For products according to DIN EN 779:2002 and Ashrae 52.2

Nano 3000 - micro- and fine fibers („Integrated Nanofiber Technology“)

- High efficiencies regarding capture of fine dust particles
- Best pressure drops
- Excellent mechanical efficiency
- Distinctly improved lifetime through 3D depth filtration
- Protection of fine fibers against mechanical damage
- For products according to DIN EN 779:2012 and Ashrae 52.2

Eco 4000 - electret fibers

- Excellent efficiencies regarding capture of fine dust particles
- Outstanding air permeabilities
- Low pressure drops
- Excellent lifetimes
- Best dust holding capacities
- For high requirements regarding energy efficiency
- For products according to ISO 16890 and Ashrae 52.2



For more technical information please send an e-mail to sales@irema.de.
Upon request we will be happy to send you a quotation.

If you have questions, please get back to us anytime.