

The fully synthetic solution to your filtration needs



IREMA Filter Media

Our technology – progressive fine fiber filter media in 3D

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 flexibly design media out of coarse, fine and ultrafine fibers.

FILTER MEDIA.

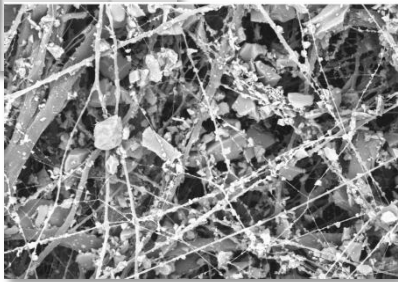
The combination of different fiber diameters allows us to design and manufacture progressive filter media. This provides the opportunity to achieve an excellent balance between filtration efficiency, air permeability and durability. By taking micro and very fine fibers (in diameters less than 1 µm) our media can capture fine and very fine particles when air is filtered.

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

APPLICATIONS.

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

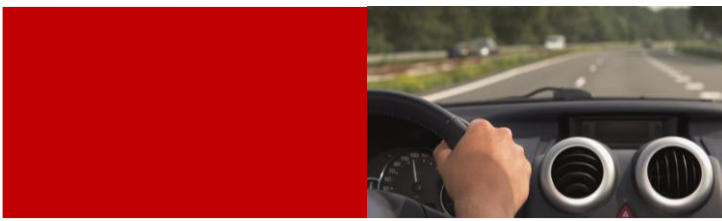
- Cabin Air
- HVAC
- Engine Air
- Liquid Filtration



Features & Benefits!

- ✓ 100% synthetic
- ✓ Excellent fiber stability
- ✓ 100% humidity resistant
- ✓ Microbial inertness
- ✓ High dust holding capacities
- ✓ No fiber shedding through endless fibers
- ✓ 100% incinerable
- ✓ Will not support microbial growth
- ✓ Fire classification F1 according to DIN 53438
- ✓ Good pleatability





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Our range of filter media comprise different product categories with the following characteristics:

Micro 2000 - micro fibers

- Low pressure drop
- Excellently pleatable
- High stability
- According to DIN EN 779:2002
- For many standardized filtration applications

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

- High efficiencies regarding capture of fine dust particles
- Excellent mechanical efficiency
- Distinctly improved lifetime through 3D depth filtration
- Protection of fine fibers against mechanical damage
- According to DIN EN 779:2012

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
- According to EN779 and Ashrae 52.2

