

# DYNA-MAC Felt

DYNA-MAC felts are engineered with micro-denier fibers which provide the highest filtration efficiency of any non-membrane filter felt. Tests run by an independent environmental testing agency show that when compared to the industry standard polyester felt, the DYNA-MAC:

- ▶ Improved efficiency 67% (ASTM D6830-02; PM 2.5)
- ▶ Lowered  $\Delta P_{45\%}$
- ▶ Required 46% fewer pulses to maintain a set  $\Delta P$

## DYNA-MAC Provides Lower Operating Costs as Well As Higher Filter Efficiencies.

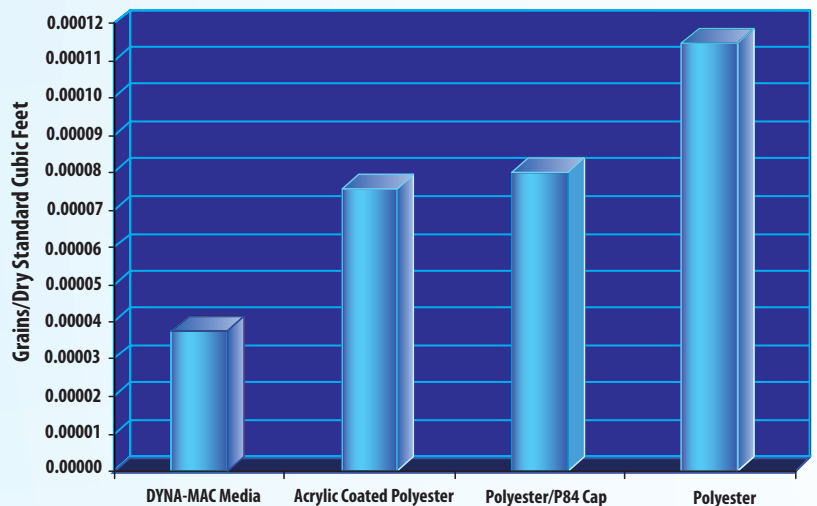
Ever tightening environmental restrictions are placing new demands on the fabric filtration industry. Fortunately, the answer to tomorrow's tighter restrictions can be found today in DYNA-MAC felt.

PM2.5 efficiency tests compared DYNA-MAC felt to polyester felt, acrylic coated polyester felt and polyester felt with a P-84 cap.

DYNA-MAC felt was 53% more efficient than polyester felt with a P-84 cap, which has for several years been the "high efficiency" felt of choice for many applications.

## DYNA-MAC Felt

Outlet Particle Emission Testing  
PM 2.5 Efficiency Testing



NOTE: Test Dust Particle Size Distribution 77% Less Than 25 Micron

## Micro-denier vs Macro-denier

Micro-denier vs Macro-denier is the increased surface area of the micro-denier fibers that keep the dust particles on the surface of a DYNA-MAC felt filter bag. The improvement in surface filtration also provides excellent cake release in addition to the excellent filtration efficiency.

The improved cake release and lower  $\Delta P$  leads to lower fan horsepower requirements and fewer pulses to maintain production demand.



0.7 denier polyester fiber



2.25 denier polyester fiber

## Available Fibers for DYNA-MAC Felt

- ▶ Polyester
- ▶ PPS (Ryton)
- ▶ P-84
- ▶ Homopolymer Acrylic
- ▶ Aramid (Nomex)
- ▶ Kermel Tech

Less cleaning means reduced consumption of compressed air. Therefore, the end result of switching from regular felt bags to bags made with DYNA-MAC felt is lower operating costs and increased profits.

## Contact Us

To learn more about our range of pneumatic conveying and air filtration solutions, please contact us at:

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