



PolyTech PxR

Synthetic medium efficiency filter media



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MEDIUM EFFICIENCY FILTER MEDIA

Outstanding performance:

PolyTech PxR is a high performance medium efficiency synthetic filter media. It is constructed with multiple layers of non-woven, which creates an advantageous gradient structure. Compared to the traditional glass fiber media, PolyTech PxR is more effective in capturing sub-micron particles, is more permeable, and provides higher dust loading capacity.



Ultrasonically Sealed Edges



Ultrasonically Welded Spacer

MEDIA STRUCTURE

PolyTech PxR filter media is constructed with multiple layers of non-woven to create an advantageous gradient structure. These layers, starting from air entry side of the media are:

- **INNER SCRIM.**

The first layer is a spun-bond non-woven to provide tensile strength for the combined filter media. It is effective for stopping large particles, and to protect the melt-blown layer from wind shear damages.

- **PREFILTER LAYER**

A coarse melt-blown layer is designed to be the first line of defense to remove the majority of the particles in the air stream. It consists of a more open structure to maximize dust loading.

- **FINAL LAYER**

A fine fiber melt-blown layer is the final layer to provide ultimate filtration. Depending on the grade of filter, this layer may also consist of state of the art nano fiber.

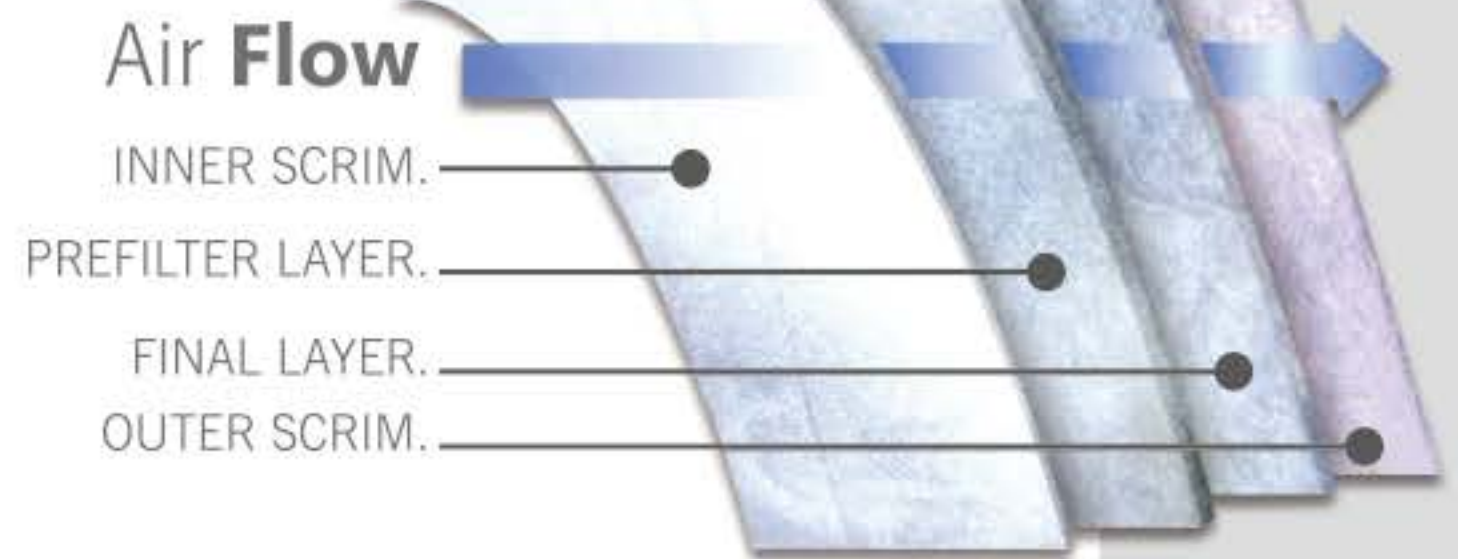
- **OUTER SCRIM.**

A color coded scrim is the external layer of this composite media. This high strength spun-bond nonwoven provides strength integrity to the filter media. It's color also provides a visual differentiation for filter efficiency.



RIGID / POCKET FILTERS

- Available in single layer form, or in double layer continuous pocket form.
- Double layer continuous pockets are ultrasonically welded with spacers inside.
- The two ultrasonically sealed edges can be modified to include your logo
- Also available in precut and bottom sealed pockets.

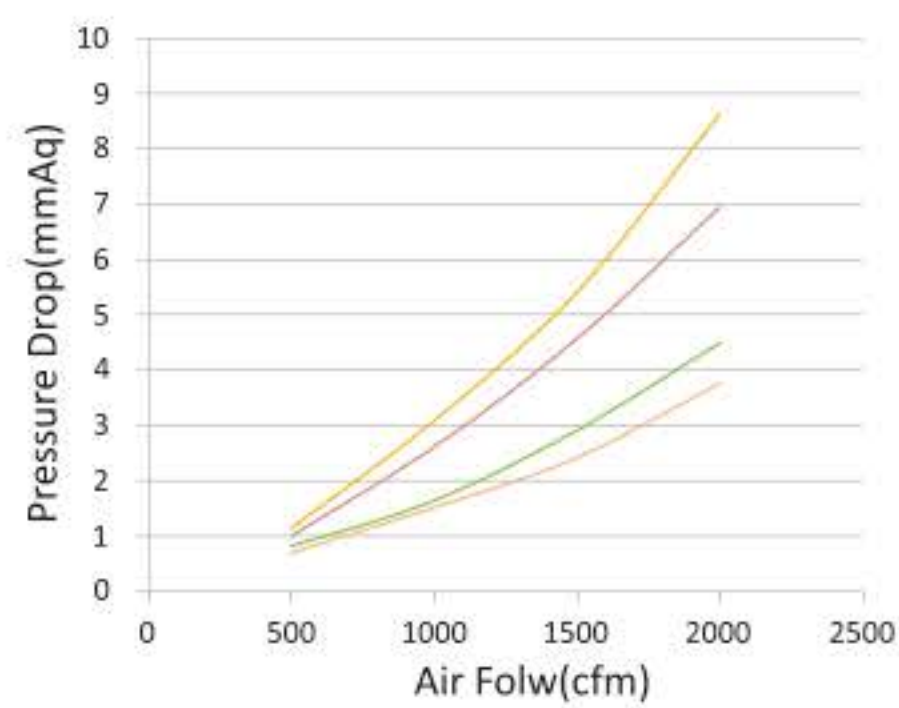
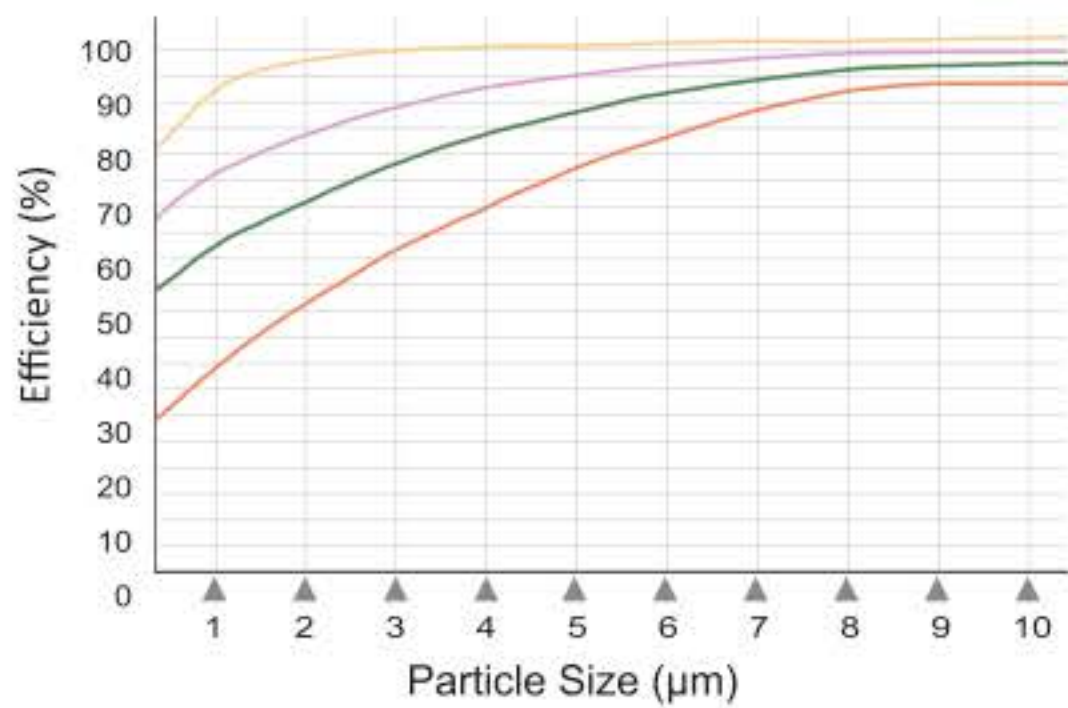


ADVANTAGES

- Available in efficiencies from MERV 10 to MERV 16
- High dust loading capacity
- Extremely low resistance to air flow
- High efficiency dust removal to the sub-micron level.
- Suitable for pleating applications



Performance



EDIA COLOR	AVERAGE EFFICIENCY
YELLOW	90-95%
PINK	80-85%
GREEN	60-65%
ORANGE	45-50%





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