



## Industrial Filtration Solutions

Technical Article

Superior Felt & Filtration, LLC is a leader in needlepunch textiles manufactured specifically for **industrial filtration** applications. Our state-of-the-art computer recipe carding and needling capabilities manufacture consistent filtration media across the web for dependable filtration results. Stocking multiple grades across industry applicable widths, Superior has one of the largest inventories of Polyester, Polypropylene, and high temperature Aramid (Nomex) filtration roll goods in North America.

Industrial applications may include media for pressure vessels for liquid, air/gas, vacuum and coalescing units, vapor condensing, intake filtration, inlet vacuum filters, oil mist elimination and discharge filters. Offerings include bag filter media for all types of filtration housings across oil, gas, wastewater, powder, bulk solids/separation and extraction for food and bio-pharma industries.

Typically, needlepunch media is scrim supported or self-supported. It can also be made for pleated filter elements by proprietary fiber blending and resin bonding. Pleating creates a larger surface area for better efficiency and pressure drop. Pleated configurations can include radial fin elements that are pleated between layers of epoxy coated wire mesh and the end seals are molded with heat set durable plastisol. Other filter elements may include sewn end elements, and panel filters.



Our media reaches conventional filtration for office and warehouse spaces, workshops, paint booths and factories to large metal foundries; even the oil fields of northern Canada. Utilizing

FDA grade fibers, our media can be used in food safe, NSF potable water, CIPP (cure in place pipe) and medical applications as critical as blood filtration. Other markets may include automotive, food and beverage, petroleum, pharmaceutical, chemical processing, and water systems of all types.

We offer a full range of high quality needlepunch media with different permeabilities from 20 CFM – 2500 CFM, micron rating 1-300µm, chemical and mechanical finishes such as oleophobic, glazed, singed, and plain. Offerings also include dual density filtration solutions, sub-micron membrane filtration and high loft pre-filter solutions. We can engineer and customize the products to meet your specific needs for your applications.

Superior Felt & Filtration can add value to our filtration roll good media offerings including slitting, die cutting, adhesive coating, sewing, spooling and even private label packaging for retail opportunities.

**Superior Felt & Filtration, LLC      Your needs.... Our Nonwovens**

*Author credits*

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