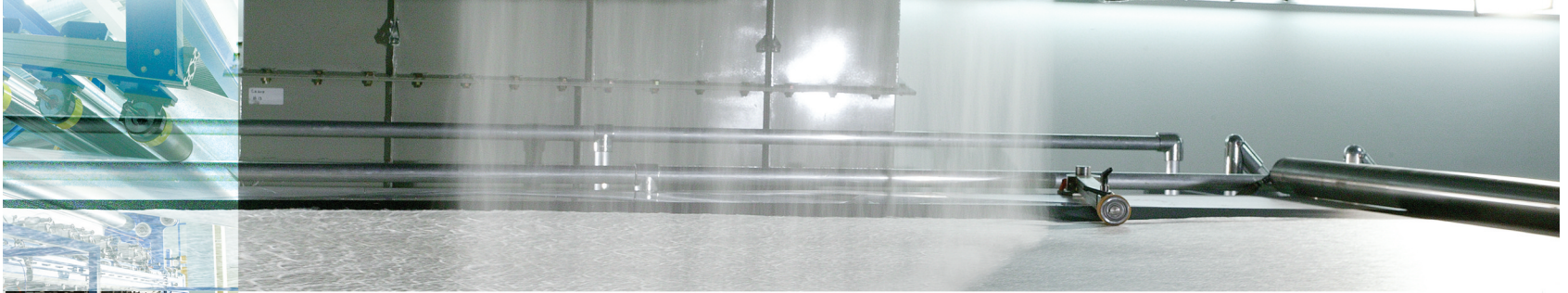


MELTBLOWN AND SYNTHETIC COMPOSITES FILTER MEDIA



Constant innovation continues to be the hallmark of meltblown and composites filtration media from H&V. We offer state-of-the-art technologies. Advanced performance. Global reach. And offerings tailored to your individual needs. Together we'll find the right filtration solution for your demanding application.

When you're selecting media for your high-efficiency air, automotive, and specialty liquid filtration applications, look to Hollingsworth and Vose. As the industry's innovation leader, we provide the most diverse offerings available. These products represent the best of the next generation of meltblown and synthetic composites filter media.

There's a superior H&V choice for all your most challenging tasks, including the following:

- HVAC bag and pleatable media for V-bank filters
- Long service interval (LSI) engine air and lube filtration media for heavy duty and for passenger cars
- Combi-filter and pollen filter media for cabin air
- Industrial and surgical respirator masks
- Room air and vacuum cleaner media
- Specialty liquid filtration media
- Fuel and oil filtration media
- Hydraulic filtration media

H&V's advanced meltblown and synthetic composites filter media provide substantial advantages over competing products.

Continuing innovation. Our manufacturing is state-of-the-art, and our R&D labs lead the industry. To meet your fast-evolving market needs, we're constantly upgrading our meltblown and synthetics lines. Most have been reformulated within the last 3 years. That accelerated pace of improvement should continue into the foreseeable future.

Superior performance. Across our diverse offerings, improvements target specific applications. We optimize performance for factors including particulate penetration and resistance to air, heat, or chemicals. Common denominators are longer service life and better cost efficiency.

Global availability. H&V maintains both manufacturing and research facilities on several continents, plus representation everywhere. We can offer global customers local production and service — yet consistent media formulations worldwide.

Tailored response. H&V sets its own trends, and responds to yours. We work in close collaboration with major customers to develop the products both they and the industry need.



Specialized Capabilities

H&V has been an innovative market leader in meltblown and composite filtration media since the early 1990s. Many of our product lines have set industry standards for breakthrough concepts and unmatched performance.

Progress in these media depends on being able to work with a range of specialized polymers. H&V has solid experience in research, development, and manufacture of a wide variety of polymers, such as the ones shown below.

Polymer specialties

- Polypropylene
- PBT polyester
- PET polyester
- Polycarbonate
- Polyamide
- Polyethelene
- Polyphenelene sulfide

Higher Standards

Today, across all H&V's technology platforms, we focus on surpassing industry benchmarks to set even higher standards.

With our formulations, we strive to attain excellent ratings for all important performance factors. Example: many of our media achieve high scores in gamma (also called alpha), measuring the optimal balance between particulate penetration and air permeability.

The following table gives other examples of optimized performance specifications for H&V's meltblown and synthetic composites filter media.

Typical test data ranges

Basis weight	> 5-400 g/m ²
Thickness	0.07-13 mm
Air permeability	80-8000 l/m ² /s
Air flow resistance	1.5-100 Pa
DOP penetration (2 layers can achieve HEPA 0.5%)	1.50%
Na Cl	0.5% minimum
Fiber diameter	< 0.7-8 μ
Solidity	2-15%



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