



**The Heating Ventilation and Air Conditioning (HVAC)** industry has come a long way in the past 25 years. With the New ASHRAE 52.2 standards filter media is measured more critically. The Minimum Efficiency Reporting Value (MERV) is a rating system that takes the minimum efficiency of the filter on a range of particle sizes. Testing is done on the clean filter once and then after the addition of standard synthetic ASHRAE dust loadings for five additional measurement cycles.

Visit this page for more information:

<http://www.nafahq.org/understanding-merv/>

**Superior Felt & Filtration** can help develop a filter that will reduce overall energy costs by designing composites that have better pressure drop and higher efficiency characteristics. We can provide self-supported media solutions that will reduce additional pleating and material costs. These filters used in residential and commercial HVAC offer superior construction and overall have more cosmetically pleasing attributes. Our knowledgeable technicians can assist with the development or enhancement of your application.

ASHRAE 52.2 Particle Ranges

Range	Size	Group
1	0.30-0.40 Micron	E1
2	0.40-0.55 Micron	
3	0.55-0.70 Micron	
4	0.70-1.00 Micron	
5	1.00-1.30 Micron	E2
6	1.30-1.60 Micron	
7	1.60-2.20 Micron	
8	2.20-3.00 Micron	
9	3.00-4.00 Micron	E3
10	4.00-5.50 Micron	
11	5.50-7.00 Micron	
12	7.00-10.00 Micron	

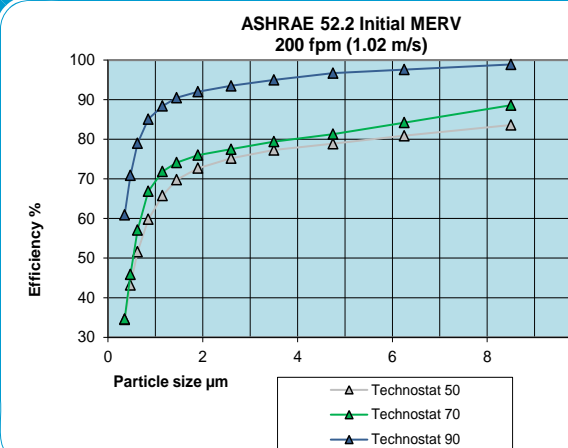
### SUPERIOR FELT & FILTRATION

Offers a range of these products to meet AHRAE 52.2 Standards in the following options:

- ◆ Electrostatically Charged Media
- ◆ Melt Blown Media
- ◆ Air-laid Media
- ◆ Spun Bond Media

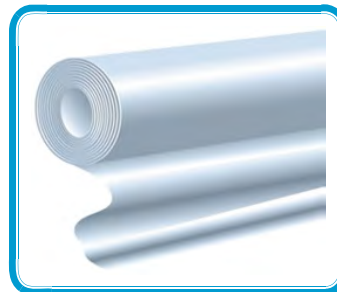
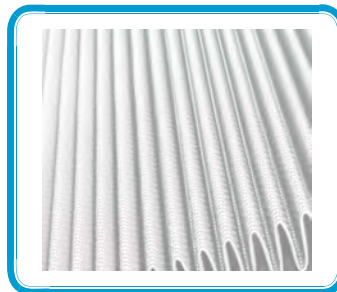


Our media options are ideal for mid to high MERV rated applications. With incredibly low pressure drop, high efficiency and pleat-able (self-supporting) characteristics, these products can be utilized for MERV 8-16 applications. With applicable flow rates, our experts can determine how many pleats and square footage of media is required for any size filter. The electrostatic options offer protection to allergy sufferers and antimicrobial options are available as well.



### Services

- ◆ SLITTING (1"-80" Wide)
- ◆ LAMINATING
- ◆ PLEATING
- ◆ FRACTIONAL EFFICIENCY TESTING
- ◆ DIE CUTTING



### Applications

- ◆ RESIDENTIAL HVAC
- ◆ INDUSTRIAL HVAC
- ◆ AIR PURIFIERS
- ◆ PRE-FILTERS
- ◆ VENT FILTERS

