

Principles of Filtration

- I-1 What is filtration?
- I-2 What are primary filtration mechanisms?
- I-3 What are the properties of a good filter?

Market Statistics and Opportunities

- II-1 How are nonwovens used today?
- II-2 What are the major market segments for air and liquid filtration?
- II-3 Nonwovens technologies for filtration media
- II-4 Market statistics and opportunities

Air Filtration

- III-1 Media technologies and applications
 - a. From nonwovens technologies
 - Meltblown (MB), Spunbond (SB), Wetlaid, Needlepunched and Others
 - b. From the marketplace
 - Residential, Industrial, HVAC, Personal protection, Transportation, Gas turbine, and Others
- III-2 Product evaluation - Standards and testing
 - ASHRAE, EN and ISO Standards
 - Recent development
- III-3 What's next
 - Challenges and opportunities

Liquid Filtration

- IV-1 Principals of liquid filtration
- IV-2 Understanding complexity of liquid filtration
- IV-3 Major liquid filtration segments
- IV-4 Nonwovens in liquid filtration market
- IV-5 Standards and testing
- IV-6 Things to consider when selecting nonwoven filter media
- IV-7 Unmet needs and technology trends
- IV-8 Market trends and opportunities

Nanofiber Technologies in Filtration

- V-1 Why Nanofibers?
- V-2 How to produce nanofibers?
- V-3 How to structure nanofibers in filter media?
- V-4 Recent development in air and liquid filtration
- V-5 Market trends, challenges, and opportunities