

Ultratech™ PTFE felt is the 'ultimate' in high temperature filter media technology. Of all the fiber types used in the Fabric Filtration industry, PTFE offers the best combination of chemical and thermal properties, including a maximum continuous operating temperature up to 500° F.

Ultratech™ PTFE from Southern Felt combines the latest in PTFE felt manufacturing process development with superior global PTFE fiber sources. Resulting from substantial investment in proprietary carding and needling techniques, **Ultratech™** PTFE felts possess the optimum in uniform fiber distribution, pore structure, and felt consolidation. All of this is then supported with our best-in-class heat stabilization process. **Ultratech™** is the premier PTFE felt technology available in the Air Pollution Control market today.

The Ultratech™ Advantage

- ✓ Can be used continuously at 500° F with short term spike exposure to 550° F
- ✓ Can be used in wide range of chemical environments from pH 2 to pH 13
- ✓ ePTFE membrane laminatable grades available
- ✓ Cost effective

Although it is uncommon to apply chemical treatments to the filtration surface, **Ultratech™** PTFE felts are available in ePTFE membrane laminatable grades to assist with emissions and/or pressure drop challenges.



White PTFE fiber, shown in this magnified view, is inherently liquid repellent and resistant to harsh chemical attack. Its dense nature yields fine fiber sizes, further enhancing filtration performance.



Ultratech™ is now used successfully in the most chemically and thermally demanding applications such as incineration, combustion, TiO₂, carbon black, chemical, and pharmaceutical manufacturing

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