

**Mikrotex® ePTFE Membrane filter media meets and exceeds all of the current federal and state particulate emission regulations, and offers the following:**

- **Superior Emission Control:** Reduction in regulatory fines and the ability to meet increasingly strict emission regulations.
- **Low Operating Differential Pressure:** Initial differential in membrane filters begins low and maintains this level better than conventional media, which tends to build dust cake and differential pressure numbers accordingly. Increased differential pressure numbers = wasted operating energy for the baghouse.
- **Higher Air Flows:** To couple the low differential pressure, when installed in existing baghouses, Mikrotex PTFE Membrane filter media has resulted in higher airflow capability. Many times using membrane in new designs means selecting higher air-to-cloth ratio designs using fewer filter bags.
- **Improved Service Life:** The non-stick PTFE surface promotes dust cake release thereby reducing energy necessary to keep the filter bags clean. Less wear and tear on the filter bags and equipment means longer service life.
- **Ability to recover from upset conditions:** In any plant situation it is very likely that media will be subjected to temporary thermal, chemical, and moisture upsets. These upsets present no major problems to the PTFE membrane since PTFE resists attack by these agents and are ready to recover permeability once they are placed back on-line.
- **Cost-Effective Filter Media Selection:** While the initial cost of Mikrotex PTFE membrane filter bags may be higher than conventional filter media, its many benefits provide a strong argument favoring it as the most cost effective solution when measured over the useful life of the product. As emissions regulations become more stringent, your baghouse can be prepared for the long haul with Mikrotex.

## Mikrotex® EXPANDED PTFE MEMBRANE



*Microscopic View  
of PTFE x500*

- Expanded Polytetrafluoroethylene
- Extremely thin and micro-porous
- Chemically inert
- Superior performance to any other product
- Lower operating costs because of higher air flow and lower operating differential pressure
- Less expensive than other PTFE membranes with equal performance
- Superior dust cake release
- Higher air-to-cloth ratio
- Recovery from upset conditions
- Temperature resistant to 550°F
- Expanded PTFE fibrils restrict particle passage and permit more air flow
- Expansion of PTFE is more uniform than other finishes
- Reduced emissions
- Surface filtration
- Moisture resistant
- Longer filter life



ISO 9002  
Registration No. A2740