



Tetratex[®] ePTFE Filter Media for High Temperature Flue Gas Cleaning

Donaldson Membranes is a leading worldwide manufacturer of microporous expanded PTFE membranes, films and laminates. A technology-driven company committed to satisfying customer needs through innovative research and development, with production and sales offices located throughout Europe, America and Asia.

Donaldson places great emphasis on high quality manufacturing and customer service and has been accredited ISO/TS16949 and environmental certificate ISO14001, testaments to our high standards.

Tetratex[®] expanded PTFE surface filtration media is the technology of choice in high temperature flue gas cleaning plants.

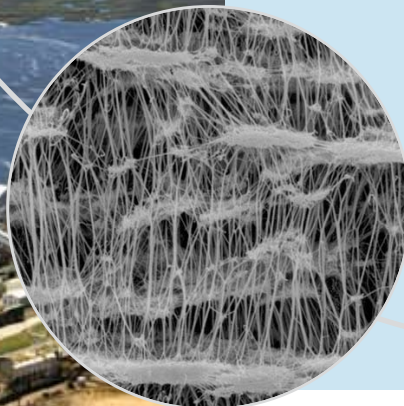
The benefits of Tetratex ePTFE membrane technology (increased throughput, lower pressure differential, increased bag life, near-zero particle emissions and reduced energy consumption) meet the demands of modern plant operation.

Product Construction

Tetratex ePTFE membranes are laminated to a variety of substrates for manufacture into filter elements.

Applications

Tetratex ePTFE membrane media is employed successfully in a wide variety of high temperature applications, giving near-zero emissions against fine and aggressive particulate in corrosive chemical conditions. Tetratex ePTFE membranes are used in incinerators and power plants burning clinical, industrial and household waste and other fuels including used tyres, petcoke/coal and biomass.



Tetratex® ePTFE Filter Media for High Temperature Flue Gas Cleaning

Cement Kiln Dedusting

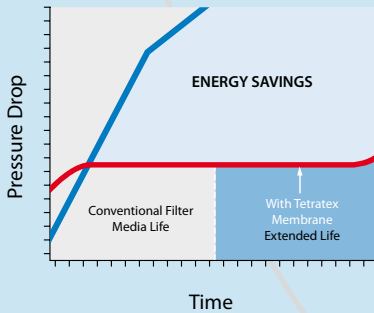
Tetratex ePTFE membranes are used in many parts of the cement manufacturing process giving improved airflow and throughput, which translates into increased production rates. Tetratex ePTFE media has become a significant technology of choice in the replacement of electrostatic precipitators (ESP) with baghouse filters in the kiln de-dusting process.

Features and Benefits

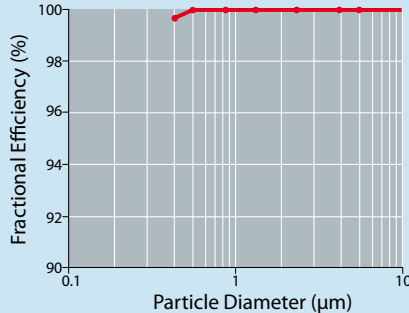
- Near-zero emissions meet required regulatory standards
- Tetratex membrane provides a continuous operating temperature up to +280°C
- Exceptional dust cake release allows for higher airflow and reduced pressure drop
- Increased bag life and less frequent cleaning delivers reduced maintenance costs
- Reduced pressure drop resulting in energy savings
- Reduced capital and operational costs lead to increased profitability



Pressure Drop



Filtration Efficiency



Typical Applications

Chemicals

- Carbon Black
- Pigments

Energy

- Incineration
 - Waste to Energy Plants

Minerals

- Cement Kiln



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Please contact us if you would like advice on maximising filter efficiencies. We offer a range of support services including troubleshooting and filter media analysis.

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