Product Information Sheet

PTFE Treatment for Intelligent Surface Filtration

INTRODUCTION

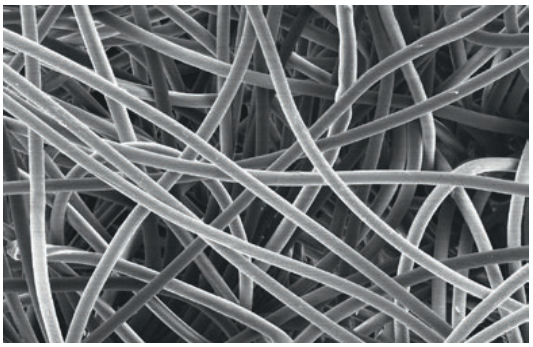
Intelligent surface filtration now means more than just improved filtration efficiency. With the complexities of modern flue gas cleaning systems, today's filter media must be designed to meet other equally demanding challenges. In addition to the familiar *membratex®* microporous structure, the surface now offers a "cake grab" feature which encourages the build up of an homogeneous filter dust cake. This filter cake is essential for the reaction of additives with most harmful flue gas components.

In true Gutsche fashion, we are able to design the *membratex®* treatment to suit our customers' individual applications. Dependent upon these requirements, and with special regard to the dust being handled, the PTFE foamed structure can be at the very surface of the needlefelt or integrated into the needlefelt fiber network. Many refuse incinerators all over the world operate successfully with filter bags using *membratex®* surface coatings. Excellent operating experience has also been gained in wider fields, such as combustion equipment in the chemical industry or kiln exhaust in the cement industry.

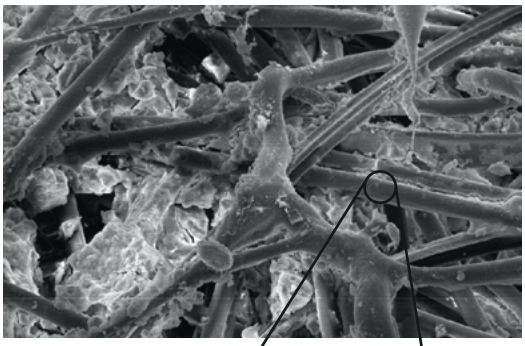
Advantages of *membratex®*

- Low outlet emission
- Optimal cake build up
- Easily cleaned.

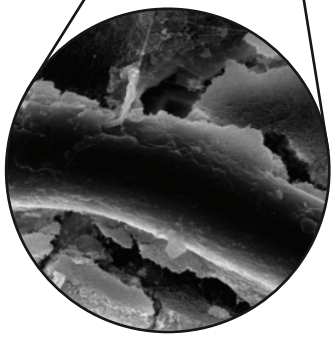
Supported by the global capabilities of Alkegen, Lydall Gutsche enables customers to optimize filtration efficiency, meet strict environmental compliance, reduce downtime, and lower total cost of ownership.



SEM picture needlefelt surface



Microporous structures due to *membratex®*



Detail of dispersed PTFE fixation on fiber

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Product Information Sheets are periodically updated by Alkegen. Before relying on any data or other information in this Product Information Sheet, you should confirm that it is still current and has not been superseded. A Product Information Sheet that has been superseded may contain incorrect, obsolete and/or irrelevant data and other information.

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