Product Information Sheet

A Creative Combination

INTRODUCTION

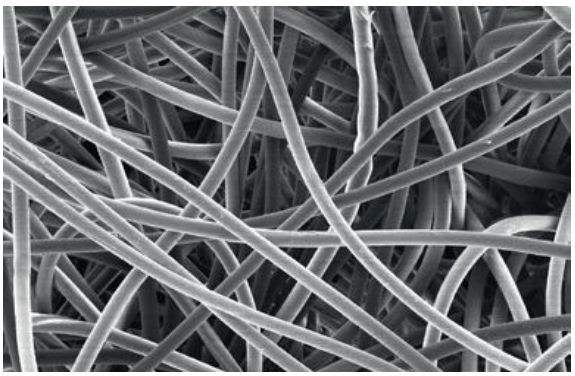
Our Gutsche product portfolio comprises of an optimised needlefelt with createx® a PTFE membrane. It combines the existing characteristics and advantages of a modern needlefelt, with those of a PTFE membrane, delivering the lowest possible dust emissions and the highest filtration efficiency.

The product has wide ranging uses, from waste incineration, power generation and metallurgy to the food, pharmaceutical and chemical industries. In combination with condutex® needlefelt, it is possible to achieve a conductivity as per DIN 54345. This is important for the use in applications where a permanent antistatic filter media is required.

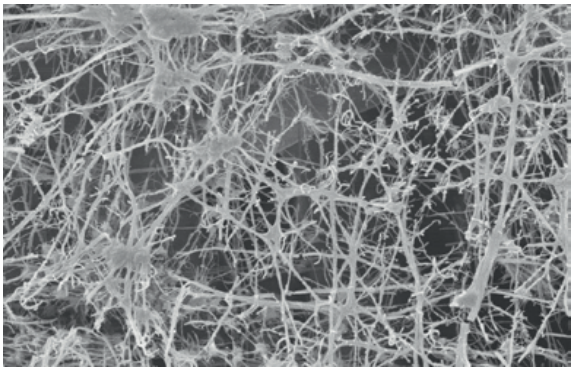
Advantages of *createx®*

- Enables lowest emissions
- Secures highest filtration efficiency
- Optimal pressure drop performance and cleanability
- Wide range of applications.

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 createx® ePTFE membrane

Product Information Sheet

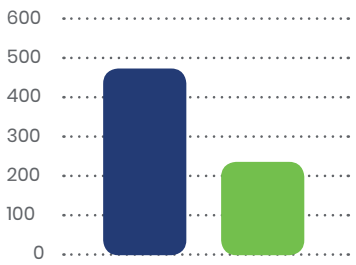
A Creative Combination

createx® Filter Test (VDI 3926/1)

Test parameters

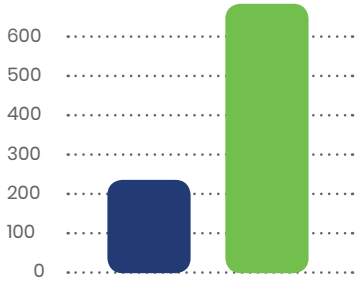
Test dust:	Pural NF	The VDI test shows the decisive advantages of the createx® combination of a high performance needlefelt with a high-efficiency ePTFE membrane: Very low residual pressure drop, extremely long cycle times, minimal emissions and excellent separation efficiency of fine dust (PM 2.5).
Dust load:	5 g/m³	
Filtration velocity:	2 m/min	

Residual pressure drop (Pa)



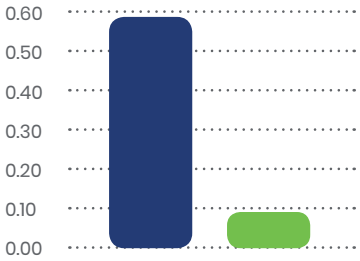
The lowest residual pressure drop shows high-efficiency cleaning.

Cycle time (seconds)



Very long cleaning cycle times minimizes the mechanical stress and enables a long service life.

Emission (mg/m³)



Lowest emissions makes the material compatible with the most demanding requirements.

Standard Filter

createx®

The following are registered tradmarks of Lydall Gutsche, part of Alkegen: condutex® and createx®.

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.

Form A-6238
Effective 05/26
© 2026 Alkegen
All Rights Reserved

Lydall Gutsche GmbH & Co. KG
Hermann-Muth-Straße 8
36039 Fulda
Germany
Website: www.alkegen.com
Email: info@alkegen.com