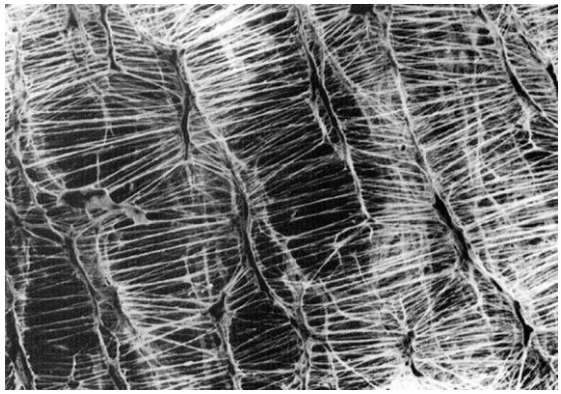
Filter media
Ti 56/2

Polyester fleece with PTFE membrane

1. Features

The two-layer structure of this filter media enables the maximum benefit of the surface filtration.
The fine-pored PTFE membrane separates almost all the dust on the membrane surface. Owing to its very smooth, fibre-free surface, Ti 56/2 is especially suitable for cleanable dust filter cartridges. Especially challenging filtration tasks will be solved with a long service life.



Characteristics

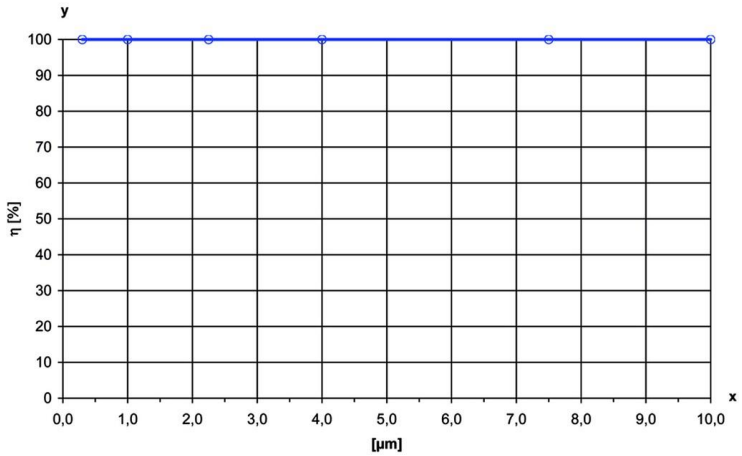
- Efficient surface filtration thanks to the microporous PTFE membrane
- High mechanical strenght
- Very good chemical resistance to acids and organic solvent vapours
- Very smooth, fibre-free surface
- Compliance with the requirements of DIN EN 60335-2-69/Dust class "M" and EN 1822-3 class "E10" at v ≤ 1m/min
- Filter media is conform to regulations (EC) No. 1935/2004 and (EU) No. 10/2011 as well as FDA 21 CFR CH. I §177.1550 re-quirements
- Worldwide distribution

2. Technical data

Type	Media	Media thickness [mm]	Weight [g/m²]	Air permeability [m³/m²h]	max. operating temperature [°C]	Test certificates/ dust classes
Ti 56/2	Polyester Fleece with PT-FE membrane	0.65	260	260 at Δp 200 Pa	130 (permanent) 150 (peaks)	DIN EN 60335-2-69 "M" EN 1822-3 class "E10"

Technical data is subject to change without notice!

3. Filtration efficiency



Filtration effciency: > 99,99 %
at 0.3 µm

Test conditions
Filter surface load: 3.36 m³/m²*min
Mass concentration: 200 mg/m³
Test dust: Dolomit DRB 20 (Rock flour)

x = Particle size [µm]
y = Filtration efficiency η [%]

These values may vary depending on the nature of the dust, the composition of the gas and the cartridge design.

4. Chemical resistance/mechanical properties

Chemical resistance	Very good	Good	Limited		Mechanical properties	Very good	Good	Limited
Humidity		x			Surface quality (smoothness)	x		
Hydrolysis			x		Stability	x		
Acids		x			Abrasion resistance			x
Alkalis			x		Cleanability (jet pulse)	x		
Solvents		x			Washability		x	

These properties are of a purely qualitative valuation and depending on the nature of the dust, the composition of the gas and the operating conditions (e.g. temperature).

5. Design

Please contact us for detailed technical information, any open questions and for general expert advice.
Completion of the relevant questionnaire would facilitate in the coordination of all the important parameters.
Comprehensive documentation on our product range, cleaning units and cartridges can be provided.

Filtration Group GmbH
Schleifbachweg 45
D-74613 Öhringen
Phone +49 7941 6466-0
Fax +49 7941 6466-429
Industrial.sales@filtrationgroup.com
industrial.filtrationgroup.com
70342020.03/2020