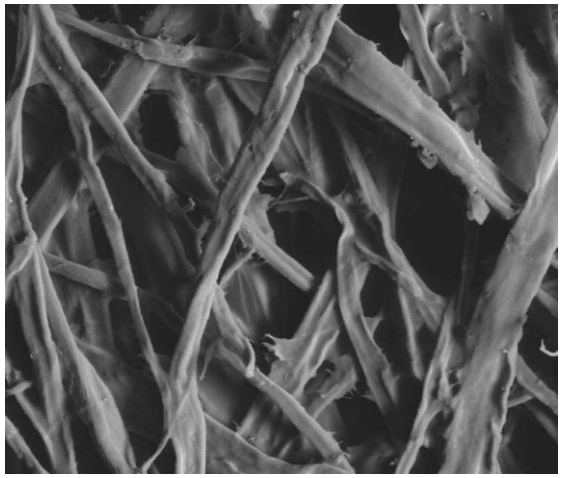
Filter media
Ti 70

Cellulose with 30 % Polyester fibres

1. Features

The cellulose/polyester fibre blend chosen for this filter media consists of 30 % polyester and 70 % cellulose. This filter media is characterised by high stability and very good hydrophobicity.
Using the MAHLE pleat distance control "Pleat Lock" and the deep fluted cellulose media, the Ti 70 obtains high performance, economic efficiency with less differential pressure and high durability.



Charakteristics

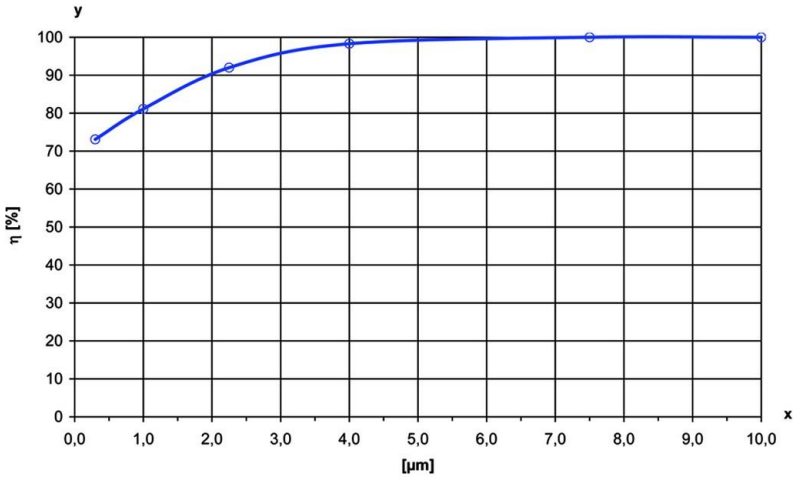
- High mechanical strength
- Better wet resistance than conventional filter papers
- Smooth and fluted surface
- Long filter life and low pressure loss
- Economical under operation conditions
- Good cleanability under operation conditions
- Compliance with the requirements of DIN EN 60335-2-69/Dust class "M"
- 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 70	Cellulose with 30 % poly-ester fibres	0.77 (fluted)	200	400 at Δp 200 Pa	120 (permanent)	DIN EN 60335-2-69 "M"

Technical data is subject to change without notice!

3. Filtration efficiency



Filtration effciency: > 98 %
at 4 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.

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