

# MAHLE

## Industry

### Filter media

### Ti 10

Cellulose with PET fibres

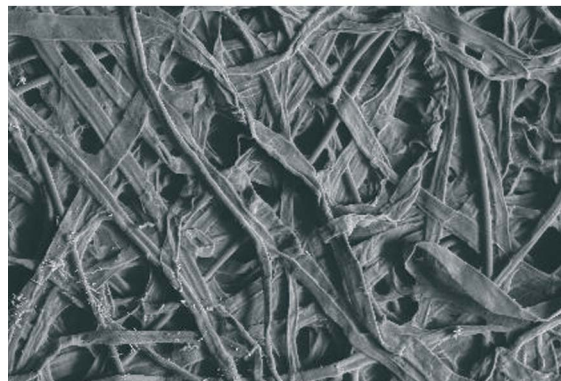
## 1. Features

The cellulose/polyester fibre blend chosen for this filter media is characterised by high air permeability and stability as well as very good hydrophobicity. The media combines efficient operation with a low pressure loss.

Ti 10 is consequently ideal for filtering the intake air of gas turbines.

### Characteristics

- Water-resistant
- Low pressure loss
- Long service life
- Efficient operation
- Compliance with the requirements of DIN EN 60335-2-69
- Worldwide distribution

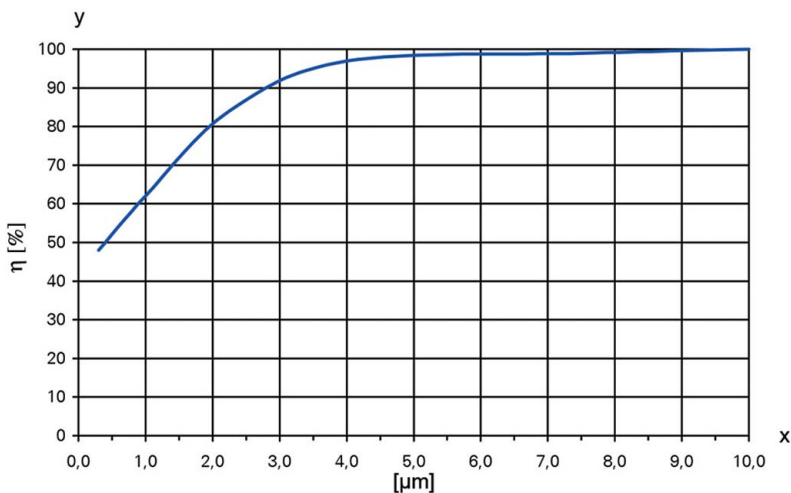


## 2. Technical data

Type	Media	Media thickness [mm]	Weight [g/m <sup>2</sup> ]	Air permeability [m <sup>3</sup> /m <sup>2</sup> h]	max. operating temperature [°C]	Test certificates/ dust classes
Ti 10	Cellulose with PET-fibres	0.5	110	760 at Δp 200 Pa	90 (permanent)	DIN EN 60335-2-69 "L" EN 779 "F8"

Technical data is subject to change without notice!

## 3. Filtration efficiency



Filtration efficiency: > 98 %  
at 5 μm

Test conditions

Inflow velocity: 3.36 m/h

Mass concentration: 200 mg/m<sup>3</sup>

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	Chemical resistance			Mechanical properties	Mechanical properties		
	Very good	Good	Limited		Very good	Good	Limited
Water		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 purely qualitative valuation and depending on the nature of the dust, the composition of the gas and the operating conditions.

## 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 important parameters.

Comprehensive documentation on our product range, cleaning units and cartridges can be provided.

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