

MAHLE

Industry

Filter media

Ti 42

Polyester fleece

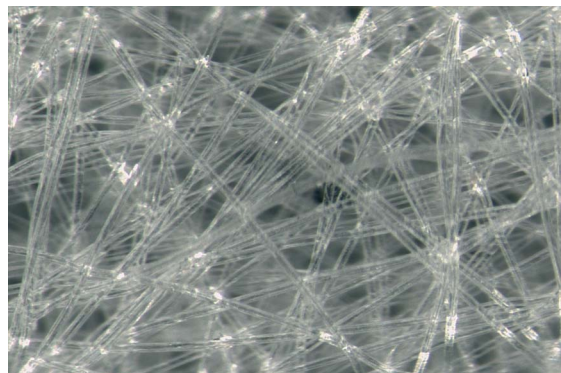
1. Features

The Ti 42 polyester fleece chosen for this filter media is characterised by high air permeability and stability as well as excellent hydrophobicity. The filter media combines efficient operation with a low pressure loss.

Thanks to its special structure and dust retention capacity, Ti 42 is ideal for static filters used to filter the intake air of gas turbines, for example.

Characteristics

- Water resistant
- Low pressure loss
- Long service life
- Efficient operation
- Compliance with the requirements of EN 779
- Worldwide distribution

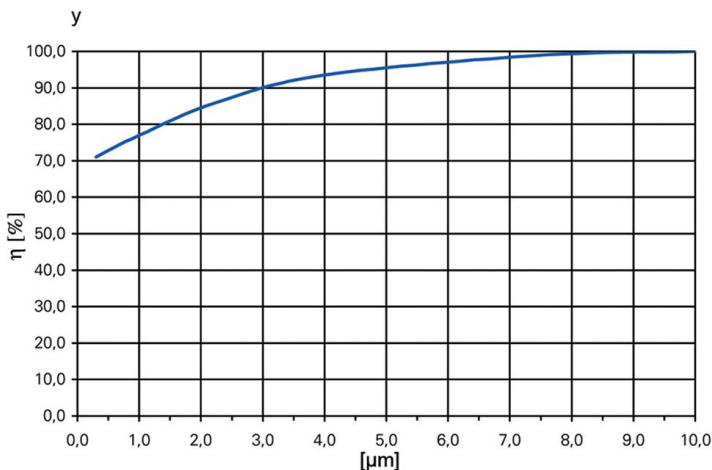


2. Technical data

Type	Media	Media thickness [mm]	Weight [g/m ²]	Air permeability [m ³ /m ² h]	max. operating temperature [°C]	Test certificates/ dust classes
Ti 42	Polyester fleece (PET)	0.40	130	2160 at Δp 200 Pa	130 (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 6 μm

Test conditions
Inflow velocity: 3.36 m/h
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	Chemical resistance				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 a 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 the important parameters.

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

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