

### Filter media

### Ti 26

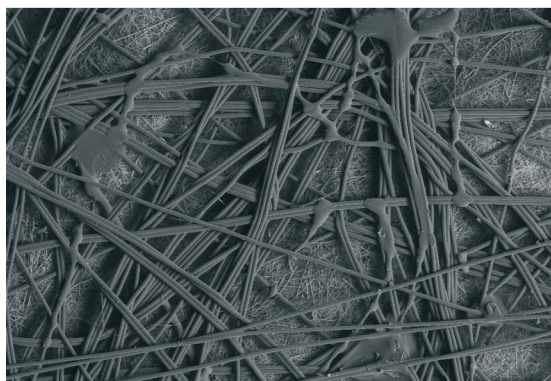
Glass fibre, laminated

#### 1. Features

The Ti 26 filter media consists of a microglass fibre fleece with spun-bonded polyester fleece laminated on one side and cellulose paper laminated on the other. It is characterised by good separation in the HEPA range. Cartridges made of this media are normally used in non-cleanable secondary filters.

#### Characteristics

- Very high separation efficiency
- High mechanical strength
- Compliance with the requirements of DIN EN 60335-2-69 and EN 1822-3 class H14 at  $v = 1\text{m/min}$
- FDA approval acc. to 21 CFR Ch. I § 177.1550
- Worldwide distribution

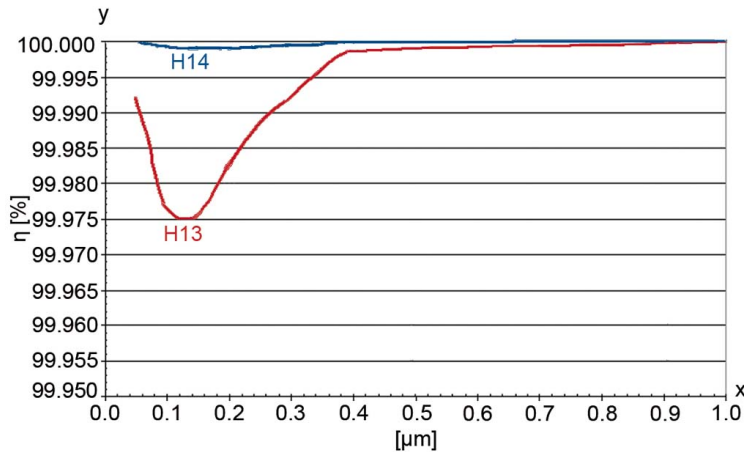


## 2. Technical data

Type	Material	Material 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 26	Glass fibre laminated with PET and cellulose	0.83	210	90 at Δp 200 Pa	90 (permanent)	DIN EN 60335-2-69 "H" EN 1822-3 "H14"

Technical data is subject to change without notice!

## 3. Filtration efficiency



Filtration efficiency:

H13 at v = 3,5 m/min > 99,95 %  
at 0.1 μm

H14 at v = 1 m/min > 99,995 %  
at 0.1 μm

Test conditions

Mass concentration: 200 mg/m<sup>3</sup>  
Test dust: DEHS

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				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.

MAHLE Industriefiltration GmbH  
Schleifbachweg 45  
D-74613 Öhringen  
Phone +49 7941 67-0  
Telefax +49 7941 67-23429  
industrialfiltration@mahle.com  
www.mahle-industrialfiltration.com  
70342011.09/2011