

Filter media

Ti 206

Cellulose with polyester fibres (M-Web)

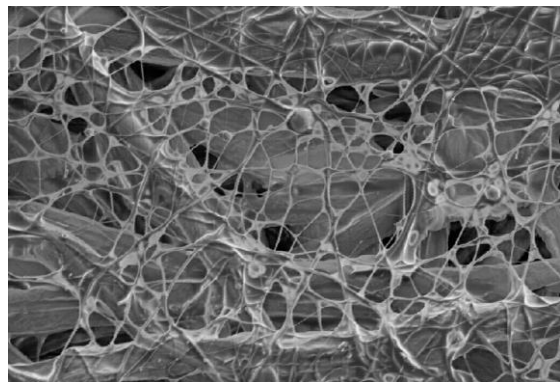
Flame-retardant

1. Features

The Ti 206 filter media is ideal for use in cleanable filter plants. It owes its excellent filtration and cleaning properties to the M-Web coating. The media combines efficient operation with a low pressure loss and high separation efficiency. Furthermore the filter media Ti 206 is flame-retardant and therefore most suitable for welding and laser cutting applications.

Characteristics

- Optimum cleaning properties due to M-Web (nano fibres) coating
- Humidity-resistant
- Smooth and fluted surface
- Flame-retardant
- High stability
- Low pressure loss
- Long filter life
- Efficient operation
- Compliance with the requirements of DIN EN 60335-2-69/Dust class "M"
- Worldwide distribution

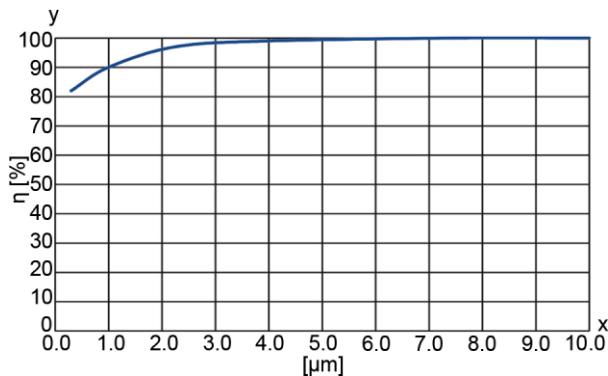


2. Technical data

Type	Media	Media thickness [mm]	Weight [g/m ²]	Air permeability [m ³ /m ² h]	max. operating temperature [°C]	Test certificates/ dust classes
Ti 206	Cellulose with polyester fibres M-Web)	0.4 (fluted)	140	650 at Δp 200 Pa	90 (permanent)	DIN EN 60335-2-69 "M"

Technical data is subject to change without notice!

3. Filtration Efficiency



Filtration efficiency: > 99 %
at 1.5 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	Chemical resistance				Mechanical properties		
	Very good	Good	Limited		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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