

## Filter media

### Ti 201

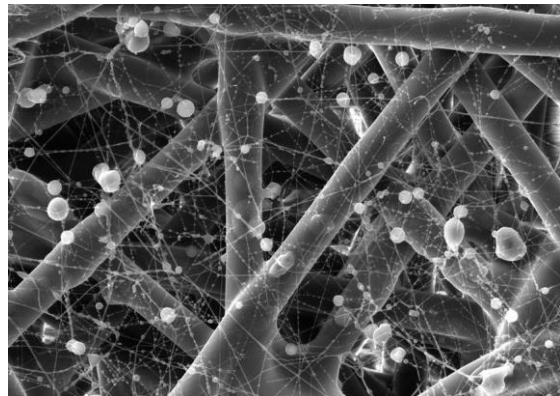
Polyester fleece with polyester nano fibres (M-Web)

#### 1. Features

The Ti 201 filter media is ideal for use in cleanable filter plants. It owes its excellent filtration and cleaning properties to the M-Web Polyester coating. The media combines efficient operation with a low pressure loss and high separation efficiency. Therefore the Ti 201 filter media is especially suitable for filtration of induction air, e.g. vacuum cleaner (wet and dry suction).

#### Characteristics

- Optimum cleaning properties
- Water-resistant
- Low pressure loss
- Long filter life
- Efficient operation
- Compliance with the requirements of DIN EN 60335-2-69/Dust class "M"
- Worldwide distribution

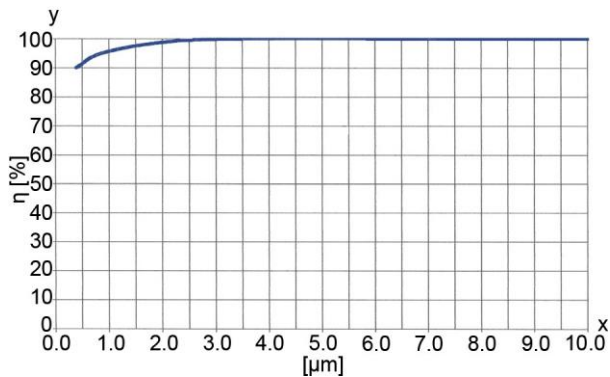


## 2. Technical data

| Type   | Media  | Media thickness [mm] | Weight [g/m <sup>2</sup> ] | Air permeability [m <sup>3</sup> /m <sup>2</sup> h] | max. operating temperature [°C] | Test certificates/ dust classes |
|--------|--|----------------------|----------------------------|---|---------------------------------|---------------------------------|
| Ti 201 | Polyester with polyester nano fibres (M-Web) | 0.6                  | 240                        | 540<br>at Δp 200 Pa                                 | 130 (permanent)<br>150 (peaks)  | DIN EN 60335-2-69<br>"M"        |

Technical data is subject to change without notice!

## 3. Filtration Efficiency



Filtration efficiency: > 99 %  
at 2.5 μm

Test conditions  
Inflow velocity: 3.36 m<sup>3</sup>/m<sup>2</sup>\*min  
Mass concentration: 200 mg/m<sup>3</sup>  
Test dust: Dolomit DRB 20

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 |
| 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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