

## Filter media

### Ti 205

Cellulose with 20 % polyester fibres

Flame-retardant

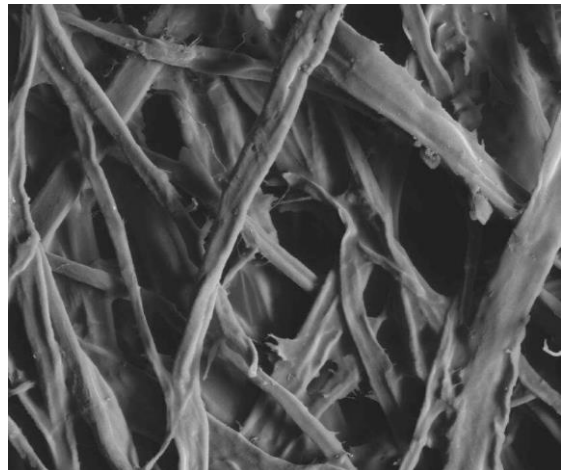
#### 1. Features

The cellulose/polyester fibre blend chosen for this filter media consists of 80 % cellulose and 20 % polyester. This filter media is characterised by high stability and very good hydrophobicity. The media combines efficient operation with a low pressure loss and long filter service life.

Furthermore the filter media Ti 205 is flame-retardant and therefore most suitable for flame spraying, plasma and laser cutting as well as welding applications.

#### Characteristics

- Flame-retardant
- Water-resistant
- Smooth and fluted surface
- Optimized cleanability
- Low pressure loss
- High stability
- Long service life
- Efficient operation
- Compliance with the requirements of DIN EN 60335-2-69/Dust class "M"
- Worldwide distribution

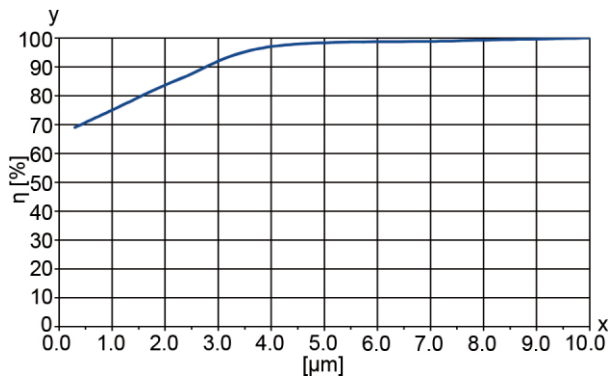


## 2. Technical data

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 205	Cellulose with 20 % polyester-fibres, flame-retardant	0.6 (fluted)	135	560 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: > 98 %  
at 5 μm

Test conditions  
 Filter surface load: 3.36 m<sup>3</sup>/m<sup>2</sup>\*min  
 Mass concentration: 200 mg/m<sup>3</sup> Dolomit  
 Test dust: 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
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 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 important parameters. Comprehensive documentation on our product range, cleaning units and cartridges can be provided.

Filtration Group GmbH  
 Schleifbachweg 45  
 D-74613 Öhringen Phone +49 7941  
 6466-0  
 Fax +49 7941 6466-429  
 industrial.sales@filtrationgroup.com  
 industrial.filtrationgroup.com  
 70550902.03/2020