

## Filter media

### Ti 35

Polypropylene

#### 1. Features

Ti 35 is a specially optimised polypropylene filter media offering high separation efficiency in combination with high air permeability. The media owes its enhanced stability to the thermoplastic solidification process. No binder is necessary - therefore you can use Ti 35 for applications in the food processing industry. The structure of Ti 35 polypropylene filter media entails a very good chemical resistance in a lot of applications.

#### Characteristics

- Very good resistance against hydrolysis
- Smooth surface
- Good cleanability
- Resistant to a large number of chemicals
- Thermoplastic binding, no binders can be dispensed
- Hydrophobic properties abetting wet cleaning
- Compliance with the requirements of DIN EN 60335-2-69/  
Dust class "L"
- Filter media is conform to regulations (EC) No. 1935/2004 and  
(EU) No. 10/2011 as well as FDA 21 CFR CH. I §177.1520 re-  
quirements
- Worldwide distribution

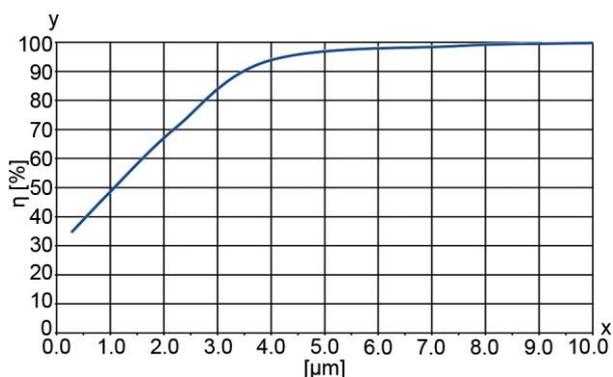


## 2. Technical data

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 35	Polypropylene	0.7	200	1080 at Δp 200 Pa	80	DIN EN 60335-2-69 "L"

Technical data is subject to change without notice!

## 3. Filtration efficiency



Filtration efficiency: > 98 %  
at 6 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>  
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	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.

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  
70522334.03/2020