

### Filter material

#### Ti 69

Polyester fleece, oil and water-repellent

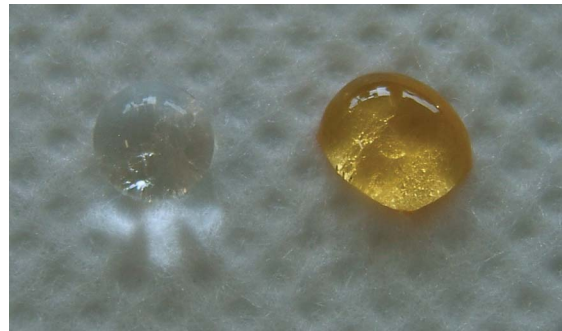
#### 1. Features

Ti 69 is a specially optimised polyester (PET) filter material offering improved filtration efficiency in combination with high air permeability. Its excellent cleaning properties are the outcome of an oil and water-repellent finishing.

The material owes its remarkable stability to the thermoplastic solidification process. No binders are used - which is why Ti 69 is also ideal for many applications in the food processing industry.

#### Characteristics

- Oil and water-repellent finishing
- High mechanical strength
- Smooth surface
- Excellent cleaning properties
- Resistant to a large number of chemicals
- Thermoplastic bound, no binding agent
- Compliance with the requirements of DIN EN 60335-2-69
- Worldwide distribution

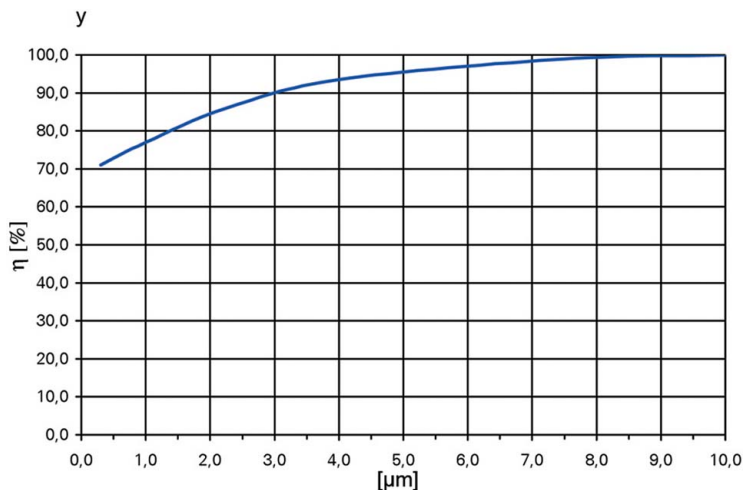


## 2. Technical data

Type	Material	Material thickness [mm]	Weight [g/m <sup>2</sup> ]	Air permeability [l/m <sup>2</sup> s]	max. operating temperature [°C]	Test certificates/ dust classes
Ti 69	Polyester fleece (PET) with "lotus effect"	0.76	285	175 at Δp 200 Pa	130 (permanent) 150 (peaks)	DIN EN 60335-2-69 "M"

Technical data is subject to change without notice!

## 3. Filtration efficiency



Nominal filter rating: 5 μm  
(filtration efficiency > 98 %)

Test conditions  
Inflow velocity: 3.36 m/h  
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				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.

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70342023.12/2007