

Filter media

Ti 55

Cellulose with PET fibres

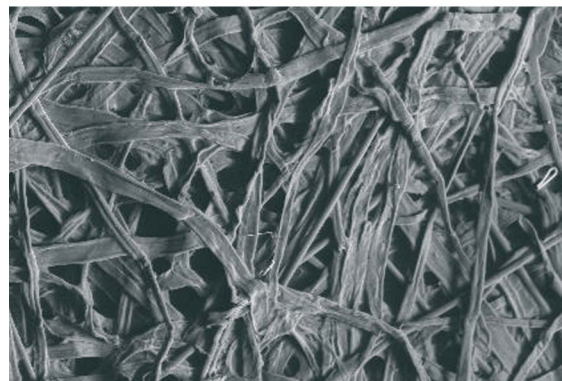
1. Features

The mixed cellulose/polyester fibre chosen for this filter media is characterised by high air permeability and stability as well as excellent hydrophobicity. The media combines efficient operation with a low pressure loss. The spectrum of potential applications is broader than for conventional filter media thanks to the moisture-repellent, flame-retardant impregnation.

Ti 55 is consequently ideal for filtering the intake air of gas turbines, for example.

Characteristics

- Water resistant
- Low pressure loss
- Long service life
- Efficient operation
- Flame-retardant impregnation
- Compliance with the requirements of DIN EN 60335-2-69
- Worldwide distribution

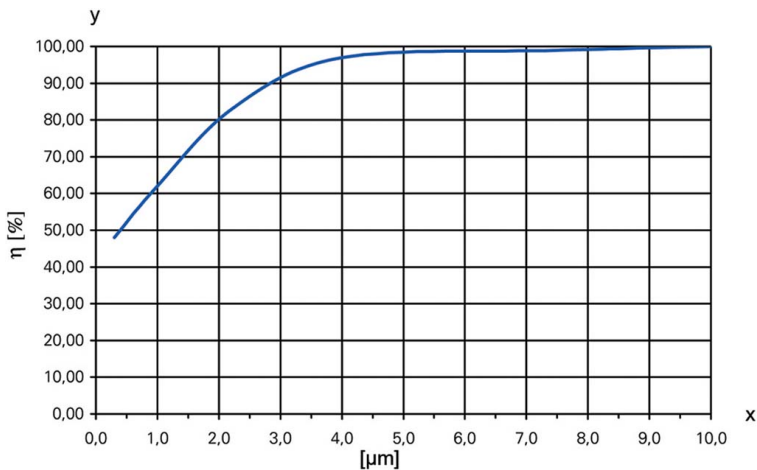


2. Technical data

Type	Media	Media thickness [mm]	Weight [g/m ²]	Air permeability [l/m ² s]	max. operating temperature [°C]	Test certificates/ dust classes
Ti 55	Cellulose with PET fibres and water-repellent, flame-retardant impregnation	0.4	110	210 at Δp 200 Pa	90 (permanent)	DIN EN 60335-2-69 "L" EN 779 "F8"

Technical data is subject to change without notice!

3. Filtration efficiency



Filtration efficiency: > 98 %
4 μm

Test conditions
Inflow velocity: 3.36 m/h
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				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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