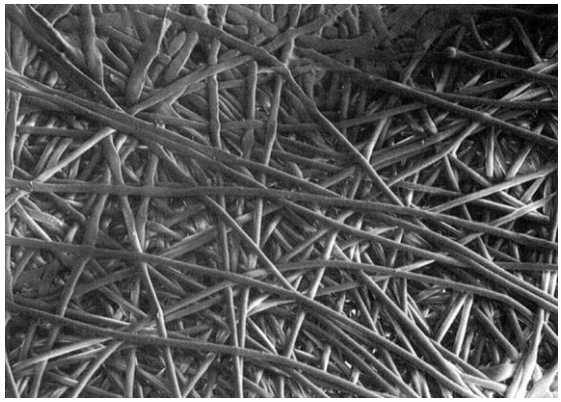
Filter media
Ti 08

Polyester fleece, aluminium coated, electrostatic conductive

1. Features

The polyester fibres on the inflow side (dirt side) have a thin aluminium coating that gives the Ti 08 filter media an electrically conductive surface. This coating is inseparable from the substrate and has no influence on the porosity of the media. Ti 08 is a very economical solution in all dust removal applications where static charges in the dust filter cake have to be eliminated.



Characteristics

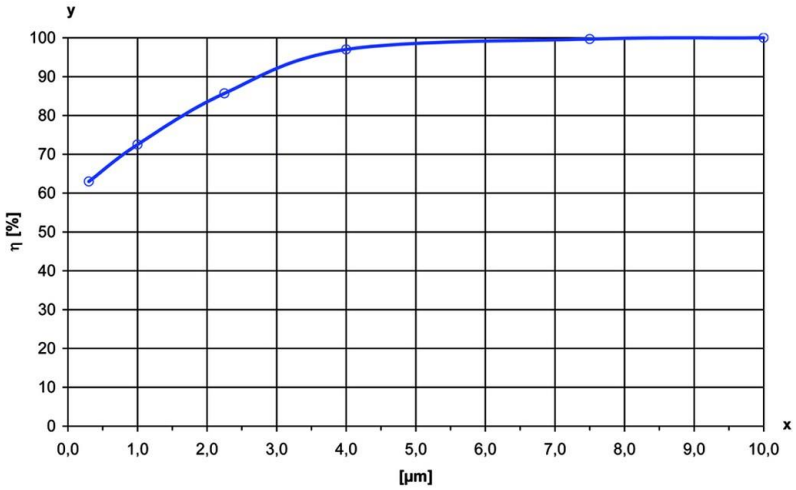
- Smooth surface
- Electrostatic conductive
- Good separation efficiency
- Excellent cleaning power
- Good cleanability
- Compliance with the requirements of DIN EN 60335-2-69/ Dust class "M"
- Filter media ist conform to regulations (EC) No. 1935/2004 and (EU) No. 10/2011 as well as FDA 21 CFR CH. I §177.1630 requirements
- Electro statical behaviour testes acc. to DIN EN 54345 Part 1 and 5
- Worldwide distribution

2. Technical data

Type	Media	Media thickness [mm]	Weight [g/m²]	Air permeability [m³/m²h]	max. operating temperature [°C]	Test certificates/ dust classes
Ti 08	Polyester fleece, aluminium coated, electrostatic conductive	0.6	260	580 at Δp 200 Pa	130 (permanent) 150 (peaks)	DIN EN 60335-2-69 "M"

Technical data is subject to change without notice!
Electrostatic resistance according to DIN EN 54345 Part 1 and 5: < 1 x 10^6 Ω

3. Filtration efficiency



Filtration efficiency: > 98 %
at 4 µm

Test conditions
Filter surface load: 3.36 m³/m² *min
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	Very good	Good	Limited		Mechanical properties	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 dust, composition of gas and 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.

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