MAHLE

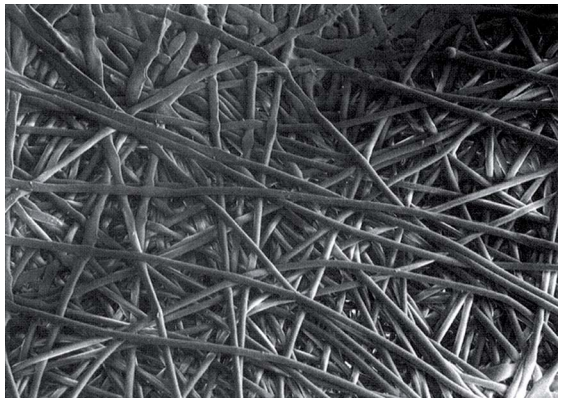
Industrial Filtration

Filter media
Ti 08

Polyester fleece, electrical 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

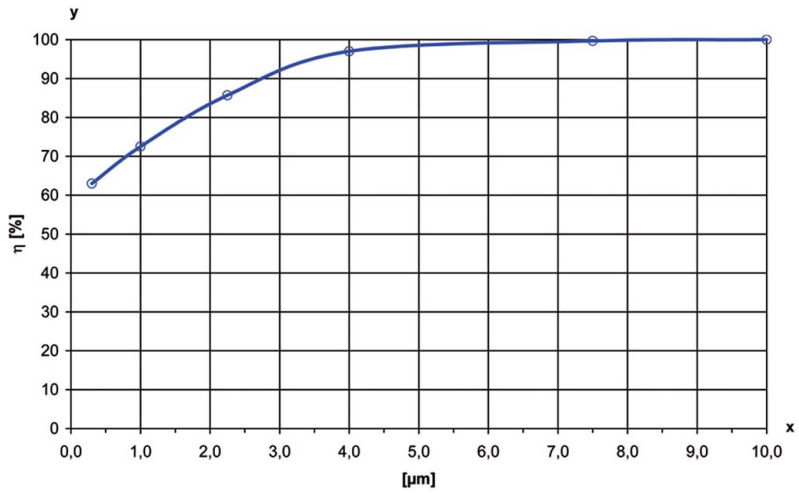
- Smooth surface
- Electrically conductive
- Good separation efficiency
- Excellent cleaning power
- Good cleanability
- Compliance with the requirements of DIN EN 60335-2-69
- FDA approval acc. to 21 CFR Ch. I § 177.1550
- Worldwide distribution

2. Technical data

Type	Media	Media thickness [mm]	Weight [g/m²]	Air permeability [l/m²s]	max. operating temperature [°C]	Test certificates/ dust classes
Ti 08	Polyester (PET) with aluminium coating	0.6	260	160 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



Filtration efficiency: > 98 %
at 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	Very good	Good	Limited		Mechanical properties	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 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 important parameters.
Comprehensive documentation on our product range, cleaning units and cartridges can be provided.

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