

MAHLE

Industry

Filter media

Ti 70

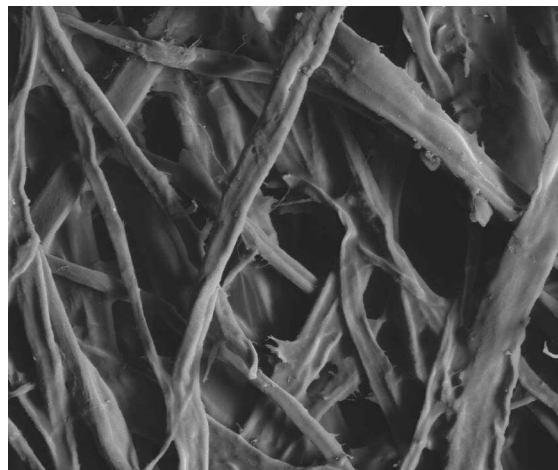
70 % Cellulose, 30 % Polyester

1. Features

The cellulose/polyester fibre blend chosen for this filter media consists of 30 % polyester and 70 % cellulose. This filter media is characterised by high stability and very good hydrophobicity. Using the MAHLE pleat distance control "Pleat Lock" and the deep fluted cellulose media, the Ti 70 obtains high performance, economic efficiency with less differential pressure and high durability.

Characteristics

- High mechanical strength
- Better wet resistance than conventional filter papers
- Smooth and fluted surface
- Long filter life and low pressure loss
- Economical under operation conditions
- Good cleanability under operation conditions
- Compliance with the requirements of DIN EN 60335-2-69
- Worldwide distribution

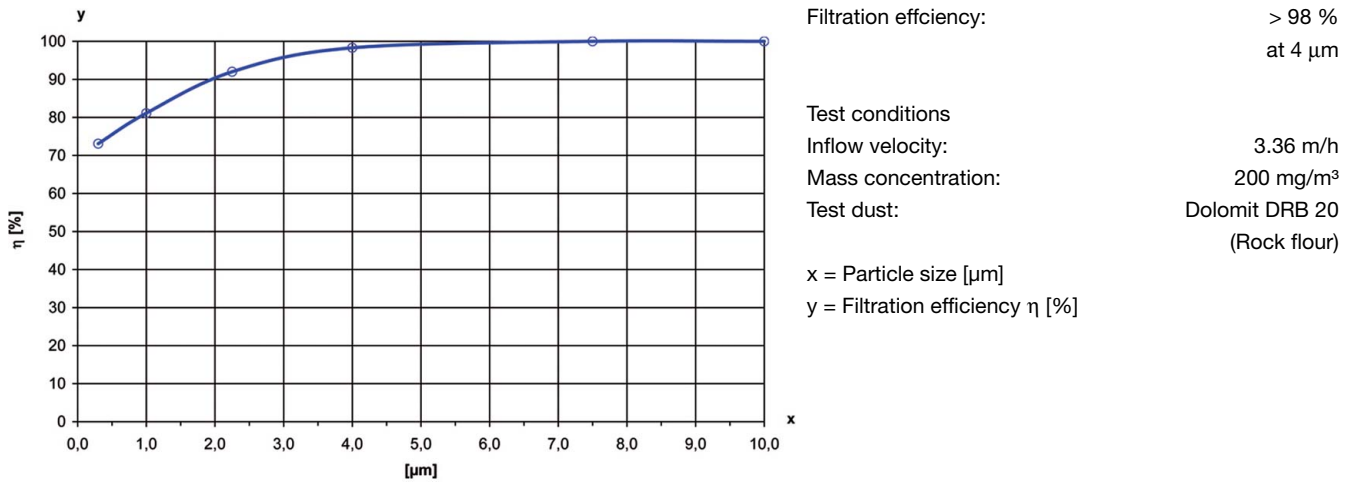


2. Technical data

Type	Media	Media thickness [mm]	Weight [g/m ²]	Air permeability [m ³ /m ² h]	max. operating temperature [°C]	Test certificates/ dust classes
Ti 70	Cellulose with 30 % PET fibres	0.63	195	450 at Δp 200 Pa	120 (permanent)	DIN EN 60335-2-69 "M"

Technical data is subject to change without notice!

3. Filtration efficiency



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
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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