Filter media

Ti 70

Cellulose with 30 % Polyester fibres

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/Dust class "M"
- Worldwide distribution
2. Technical data

<table>
<thead>
<tr>
<th>Type</th>
<th>Media</th>
<th>Media thickness [mm]</th>
<th>Weight [g/m²]</th>
<th>Air permeability [m³/m²h]</th>
<th>max. operating temperature [°C]</th>
<th>Test certificates/ dust classes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ti 70</td>
<td>Cellulose with 30 % polyester fibres</td>
<td>0.77 (fluted)</td>
<td>200</td>
<td>400 at Δp 200 Pa</td>
<td>120 (permanent)</td>
<td>DIN EN 60335-2-69 &quot;M&quot;</td>
</tr>
</tbody>
</table>

Technical data is subject to change without notice!

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

<table>
<thead>
<tr>
<th>Chemical resistance</th>
<th>Very good</th>
<th>Good</th>
<th>Limited</th>
<th>Mechanical properties</th>
<th>Very good</th>
<th>Good</th>
<th>Limited</th>
</tr>
</thead>
<tbody>
<tr>
<td>Humidity</td>
<td>x</td>
<td></td>
<td></td>
<td>Surface quality (smoothness)</td>
<td>x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hydrolysis</td>
<td>x</td>
<td></td>
<td></td>
<td>Stability</td>
<td>x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acids</td>
<td></td>
<td>x</td>
<td></td>
<td>Abrasion resistance</td>
<td>x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alkalis</td>
<td>x</td>
<td></td>
<td></td>
<td>Cleanability (jet pulse)</td>
<td>x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solvents</td>
<td>x</td>
<td></td>
<td></td>
<td>Washability</td>
<td></td>
<td></td>
<td>x</td>
</tr>
</tbody>
</table>

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 (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 the important parameters. Comprehensive documentation on our product range, cleaning units and cartridges can be provided.