Filter media

Ti 26

Glass fibre, laminated on both sides with PET

1. Features

The filter material Ti 26 consists of a micro glass fibre fleece with polyester spun-bonded fleece laminated on both sides. This results in improved resistance and stiffness of the material. Ti 26 is characterized by a high retention of the particulate material. Filter elements made of this material are generally used as secondary filters that cannot be cleaned.

Characteristics

- Very high separation efficiency
- High mechanical strength
- Compliance with the requirements of DIN EN 60335-2-69/Dust class "H" and EN 1822-3 class "H14" at \( v \leq 1 \text{ m/min} \)
- Filter media is conform to regulations (EC) No. 1935/2004 and (EU) No. 10/2011 as well as FDA 21 CFR CH. I §177.1630 requirements
- Worldwide distribution
2. Technical data

<table>
<thead>
<tr>
<th>Type</th>
<th>Material</th>
<th>Material 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 26</td>
<td>Glass fibre, laminated on both sides with PET</td>
<td>0.70</td>
<td>230</td>
<td>95 at Δp 200 Pa</td>
<td>120 (permanent)</td>
<td>DIN EN 60335-2-69 &quot;H&quot; EN 1822-3 &quot;H14&quot;</td>
</tr>
</tbody>
</table>

Technical data is subject to change without notice!

3. Filtration efficiency

Filtration efficiency:
- H13 at v = 3.5 m/min > 99.95 % at 0.1 µm
- H14 at v = 1 m/min > 99.995 % at 0.1 µm

Test conditions:
- Mass concentration: 200 mg/m³
- Test dust: DEHS

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>x</td>
<td></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>x</td>
<td></td>
<td></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.