ALTEF Gas Sampling Bags

ALTEF is a proprietary fluoropolymer film developed specially for the air sampling market. ALTEF meets or exceeds many of the desired characteristics of Tedlar® at a significantly lower cost.

- Low VOC and sulfur background levels.
- Similar stability properties as Tedlar® for a wide variety of compounds, including most VOCs.
- Developed as an alternative to Tedlar® film for most gas sampling applications.
- Key Features:
  - Suitable for sampling and analysis of most VOCs within 2 days, and many sulfur compounds for up to 24 hours.
  - Abrasion Resistant.
  - Chemically Inert to most acids, aliphatic and aromatic organic compounds, chlorinated solvents, and alcohols.
- Contains no additives, fillers or pigments.
- Choice of nine fitting options.

- Minimal adsorption.
- Superior storage for organics.
- Inherently pure.
- Benefits of ALTEF as compared to Tedlar®:
  - Readily available, in stock.
  - Significantly less expensive than Tedlar®.
  - Lower VOC background than Tedlar®.
  - Longer storage times for many compounds versus Tedlar® bags.
  - Unlike Tedlar®, ALTEF does not exhibit background levels of DMAC and phenol.

ALTEF is not recommended for ketones or esters in high concentrations (>30%)

ALTEF is not suitable for storing H₂S. Our Multi-Layer Foil bags are the best choice for collecting and storing H₂S.

Unique Properties of ALTEF compared to Tedlar®

<table>
<thead>
<tr>
<th>Film</th>
<th>Thickness</th>
<th>Tensile Strength</th>
<th>Max. Operating Temp.</th>
<th>Specific Gravity</th>
<th>Oxygen Permeability</th>
<th>Water Vapor Permeability</th>
<th>Carbon Dioxide Permeability</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALTEF</td>
<td>.003&quot;</td>
<td>6100 psi</td>
<td>150°C (302°F)</td>
<td>1.78</td>
<td>58 cc/m² x d</td>
<td>12-15 g/m² x d</td>
<td>172 cc/m² x d</td>
</tr>
<tr>
<td>Tedlar®</td>
<td>.002&quot;</td>
<td>8000 psi</td>
<td>204°C (400°F)</td>
<td>1.70</td>
<td>50 cc/m² x d</td>
<td>9-57 g/m² x d</td>
<td>172 cc/m² x d</td>
</tr>
</tbody>
</table>

Tedlar® is a registered trademark of E.I DuPont

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