



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®.

- Unlike Tedlar®, ALTEF does not exhibit background levels of DMAC and phenol.
 - 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.
 - Contains no additives, fillers or pigments.
 - Choice of ten fitting options.
 - Minimal adsorption.
 - Superior storage for organics.
 - Inherently pure.
- 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.
 - Benefits of ALTEF as compared to Tedlar®:
 - Lower VOC background than Tedlar®.
 - Longer storage times for many compounds versus Tedlar® bags.
 - 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®

| Film | Thickness | Tensile Strength | Max. Operating Temp. | Specific Gravity | Oxygen Permeability | Water Vapor Permeability | Carbon Dioxide Permeability |
|---------|-----------|------------------|----------------------|------------------|--------------------------|----------------------------|-----------------------------|
| ALTEF | .003" | 6100 psi | 150°C (302°F) | 1.78 | 58 cc/m ² x d | 12-15 g/m ² x d | 172 cc/m ² x d |
| Tedlar® | .002" | 8000 psi | 204°C (400°F) | 1.70 | 50 cc/m ² x d | 9-57 g/m ² x d | 172 cc/m ² x d |

Tedlar® is a registered trademark of E.I DuPont

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