

SamplePro FlexFilm BAGS

Tedlar Alternative for VOCs — Only from SKC!

SKC **SamplePro**[®] FlexFilm bags are constructed of 3-mil SKC proprietary material ideally suited for collecting air samples of VOCs. Manufactured exclusively for SKC, FlexFilm features lower total VOC background than Tedlar and shows the same sample stability for VOCs as seen with Tedlar. When combined with SKC quality fittings, the result is an economical sample bag with lower background levels and good storage stability for collected compounds.

The FlexFilm Advantage

- Lower total VOC background than Tedlar
- Good storage stability for organic vapors (see table on reverse side)
 - Provide acceptable storage for some sulfur compounds (see table on reverse side)
- Minimal adsorption
- Low price
- The best alternative to Tedlar for performance and economy

The Unique Properties of SamplePro FlexFilm

Water Vapor Transmission:	13.5 g/m ² x d
Oxygen Permeability:	52.5 cc/m ² x d
Carbon Dioxide Permeability:	171 cc/m ² x d
Material Thickness:	3 mil
Maximum Temperature Resistance:	140 F (60 C)

More Information

- For an evaluation of SamplePro FlexFilm Bags, go to www.skinc.com/instructions/SKC_Bag_Poster.pdf.
- For a FlexFilm Use Guidelines video, go to www.skinc.com/videofolder/FlexFilmSampleBags.asp.



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Tedlar Alternative for VOCs

Storage Stability of Collected Compounds in FlexFilm Bags*

Acceptability criteria: $\geq 80\%$ recovery at ≥ 2 days based on EPA Method 0040 as tested in SKC Laboratories

Compound	% Recovery	
	Day 1	Day 2
Acetone	96.7	88.9
Acetonitrile	69.0	55.1
Acrylonitrile	76.1	62.2
Allyl chloride	95.6	91.9
Benzene	96.0	95.2
Bromoethane	95.2	90.9
Butyl acetate	85.1	91.8
n-Butyl mercaptan	69.5	50.0
tert-Butyl mercaptan	92.5	92.5
Carbon disulfide	80.0	74.1
Carbon tetrachloride	101.0	94.3
Carbonyl sulfide†	114.3	135.7
Chloroform	98.7	95.9
Carbon dioxide	100.0	90.0
Carbon monoxide	100.0	100.0
1,2-Dichloroethane	91.5	82.9
Dichloropropane	86.2	76.7
Diethyl disulfide	68.2	54.1
Diethyl sulfide	88.2	83.9

Compound	% Recovery	
	Day 1	Day 2
Dimethyl disulfide	77.3	69.3
Dimethyl sulfide	90.9	89.8
2,5-Dimethylthiophene	68.6	54.7
Ethyl acetate	94.9	95.4
Ethyl mercaptan	81.3	76.9
Ethyl methyl sulfide	88.2	83.9
2-Ethylthiophene	72.2	60.0
Ethylene	104.0	100.0
Heptane	96.7	106.0
Hexane	99.0	98.9
Hydrogen sulfide	41.5	36.9
Isobutyl mercaptan	81.3	69.2
Isooctane	100.0	97.9
Isopropyl alcohol	99.1	91.7
Isopropyl mercaptan	89.3	86.0
Methane	95.8	92.5
Methyl ethyl ketone (2-Butanone)	96.2	95.8
Methylene chloride	93.2	87.2


Compound	% Recovery	
	Day 1	Day 2
Methyl mercaptan	88.9	83.3
Methyl tert-butyl ether	99.2	99.1
3-Methylthiophene	75.9	65.5
Octane	104.0	98.7
Perchloroethylene	94.8	84.9
Propylene	100.0	99.0
Propylene oxide	93.3	90.1
n-Propyl mercaptan	80.0	70.0
Tetrahydrofuran	96.7	93.6
Tetrahydrothiophene	79.6	70.5
Thiophene	81.6	75.9
Toluene	107.0	92.9
1,1,1-Trichloroethane	94.9	93.6
Trichloroethylene	92.4	82.9
Vinylidene chloride	95.6	91.8
p-Xylene	85.9	82.7

* Bags stored at ambient temperatures during study


† High recovery is due to high background of compound in the bag material.

The latest chemical stability data is available at www.skinc.com.

SamplePro FlexFilm Bags with Single Polypropylene Septum Fitting

Maximum Capacity (liter)	Cat. No.	Qty.	Fitting
0.5	236-006	10	
	236-006A	ea	
1	236-001	10	
	236-001A	ea	
3	236-002	10	
	236-002A	ea	
5	236-005	10	
	236-005A	ea	
Replacement Septa	232-01-RS	10	

SamplePro FlexFilm Bags with Dual Stainless Steel Fittings

Maximum Capacity (liter)	Cat. No.	Qty.	Fitting
0.5	237-02	10	
	237-02A	ea	
1	237-01	10	
	237-01A	ea	
3	237-03	10	
	237-03A	ea	
5	237-05	10	
	237-05A	ea	
Replacement Septa	231-9-04	10	

Larger SamplePro FlexFilm bag sizes are available. Contact SKC.

SKC Limited Warranty and Return Policy

SKC products are subject to the SKC Limited Warranty and Return Policy, which provides SKC's sole liability and the buyer's exclusive remedy. To view the complete SKC Limited Warranty and Return Policy, go to <http://www.skinc.com/warranty.asp>.

