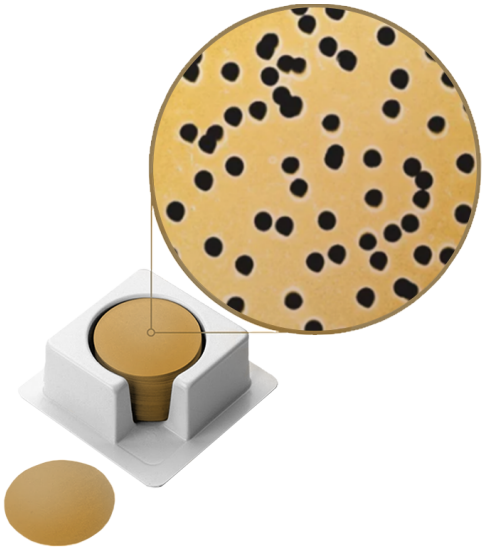
GOLD-COATED POLYCARBONATE MEMBRANE FILTERS

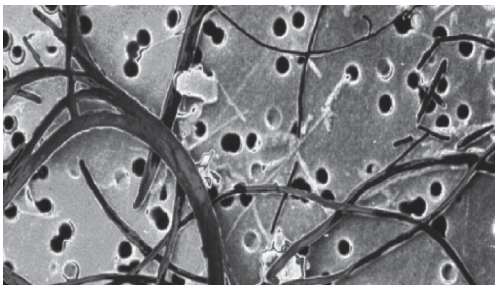
The gold-coated track-etched membrane made of polycarbonate (PCTG) allow almost 100 percent surface filtration. The core pore filter is particularly suitable for particle analysis. This includes measurements of indoor and outdoor air on inorganic fibers, such as asbestos. Measurements of dusts and powders can also be carried out easily with the core pore filter.

The PCTG membrane is also used for asbestos analysis of plaster, fillers and paints. Due to the very flat surface and the tunnelshaped pores, the particles remain on the smooth surface of the gold-coated track-etch membrane and can be analyzed microscopically.



FEATURES

- Testing for technical cleanliness
- High contrast in SEM
- Gold-coated on both sides (40/20 nm)
- Low protein binding
- Smooth flat surface for good visibility of particles



REM sample (asbestos particles on PCTG Membrane)

SPECIFICATIONS

PORE SIZE	0.1 µm	0.2 µm	0.4 µm	0.8 µm
Membrane Material	Polycarbonate			
Pore Density (cm^{-2})	6.00 E+08	3.40 E+08	1.00 E+0.8	4.00 E+07
Membrane Thickness (µm)	25	18	18.5	24
Gold-Coating (top/down)	40/20nm			
Diameter (mm)	13/25/30/37/45/47			

APPLICATIONS

- Particle analysis by SEM/EDX
- Identification of fibrous particles such as asbestos (ISO 14966, VDI 3492, VDI 3877, VDI 3866, VDI 3861, BIA 7487)
- Counting of nano particles

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