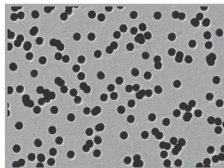


i3 TrackPor PA Aluminum-coated polyester membrane



Aluminum-coated i3 TrackPor PA membrane is used for identifying and characterizing microplastic particles in environmental samples, food, cosmetics and more. It delivers an optimal reflection in Quantum Cascade Laser (LDIR), Fourier Transform Infrared (FTIR) microscopy and Raman spectroscopy and form a suitable, conductive surface for imaging in scanning electron microscopy (EDX/WDX). This track-etched membrane is distinguished by its particularly smooth and even surface. The polyester membrane with an aluminum-coating of 100/0 nm permits filtration of all organic and inorganic particles.

FEATURES

Particle analysis by SEM/EDX, FTIR, LDIR microscopy and Raman spectroscopy

Identification and characterization of micropastic particles

Testing for microplastic particles in accordance with DIN EN ISO 24187

Stable in a liquid medium at a PH range from 6 up to 8

High contrast in SEM, FTIR, LDIR microscopy and Raman spectroscopy

Aluminum-coated on top side (100/0 nm)





Technical data

Pore size*	0.8 μm	3.0 μm	5.0 μm
Membrane material	Polyester	Polyester	Polyester
Pore density (cm^{-2})	4.00 E + 07	3.00 E + 06	4.00 E + 05
Membrane thickness (μm)	22	20	19
Aluminum coating (top/down)	100/0 nm	100/0 nm	100/0 nm
Diameter (mm)	13/25/30/37/45/47	13/25/30/37/45/47	13/25/30/37/45/47

*Other pore sizes on request

