

PARTICULATE MATTER (PM) 2.5 AIR MONITORING MEMBRANE

HIGH-PURITY PTFE MEMBRANE FOR PARTICULATE MATTER (PM) MONITORING OF AMBIENT AIR QUALITY

Particulate Matter (PM) needs to be monitored for air quality. The Cobetter PM 2.5 Membrane Filters are made from PTFE material which is chemically resistant and possess low chemical background interference, allowing the user to carry out sensitive testing.



FEATURE

BENEFIT

Conforms to EPA PM 2.5

Conforms to EPA PM 2.5 reference method under the requirements for 40 CFR part 50 Appendix L

Clean Materials No Glues, No Adhesives

Manufactured in a clean room of high-purity PTFE membrane with minimum trace elements and uses no glues and no adhesives to ensure product cleanliness and stability.

Clean Manufacturing

These products are manufactured in a cleanroom facility which adheres to ISO 9001 Practices.

SPECIFICATIONS

Filter Material	PTFE
Thickness	40 ± 10µm
Diameter	46.2 mm 0.2 mm
Weight	165.37 ± 0.01 mg
Pore Size	2µm
Support Ring Media	Polypropylene (PP)
Support Ring Thickness	0.38 ± 0.04 mm
Retention Rate	>99.995% (ASTM D 2986-95a)
Pressure Drop (0.3µm)	<30 mm H ₂ O (ASTM D 2986-95a)
Alkalinity	<25 µeq/g (EPA/600-R-94/038b, section 2.12)
Weight Loss	<20 µg
Loose Particles	<20 µg
Max. Hygroscopic	<10 µg

MAXIMUM TRACE ELEMENT CONCENTRATION BY X-RAY FLUORESCENCE

Ion	ng/cm ³										
Al	94.4	Sc	7.2	Ni	3	Br	2	Pd	9.6	Cs	25
Si	32.8	Ti	13.8	Cu	2.8	Rb	2	Ag	9.6	Ba	32.2
P	22.6	V	4.8	Zn	2.2	Sr	2.2	Cd	1.8	La	87.6
S	13.4	Cr	2.2	Ga	1.8	Y	14.6	Sn	15.2	W	5
Cl	9.4	Mn	2.2	Ge	3	Zr	13.2	Sb	14.4	Au	4.4
K	5.6	Fe	5.8	As	2.8	Mo	11.6	Te	16.2	Hg	4.4
CA	8.2	Co	4	Se	1.6	Rh	9.4	I	18.2	PB	4.8

ORDERING INFORMATION

Part Number: **PM2.5PF-46.2** 50 pieces/package



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CBBPP1166 Rev. 08072020
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