

Membranes designed for **Asbestos Monitoring**

- ✓ MCE membranes designed for capturing asbestos in the air.
- ✓ You can make membranes transparent with Acetone/Triacetin Method or Dimethyl-phthalate/Diethyl-oxalate Method.
- ✓ Meets NIOSH#7400 (National Institute of Occupational Safety and Health).



ADVANTEC® will support you on the asbestos monitoring!

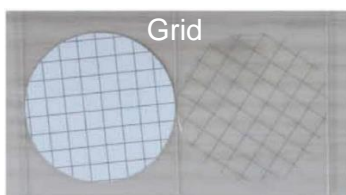


Grade	A080X025A	A080X047A	A080X025B	A080X047B
Item Code	10080062	10080064	10081062	10081064
Material	Mixed Cellulose Esters			
Pore Size	0.8µm			
Diameter	25mm	47mm	25mm	47mm
Color	White			
Surface	Plain		Grid	
Packaging	100/pack			

Our strict Quality Control enables to eliminate fibrous foreign substances thoroughly which could be white-out via microscopy. This enables you to count captured asbestos easier.



Standard MCE Opticlear MCE



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Brand	Product	(n/100 samplings)*
ADVANTEC®	A080X047A (White/Plain)	0.20
	A080X047B (White/Grid)	0.31
Manufacturer-A	Product-1 (White/Plain)	0.33
	Product-2 (White/Grid)	0.33
Manufacturer-B	Product-3 (White/Plain)	2.33
	Product-4 (White/Grid)	0.66

* Average fibrous foreign substances per 100 samplings with microscope. The above figures are measured values, not guaranteed. Made membranes transparent with acetone vapor.

PTFE Coated Glass Fiber Filters designed for Air Dust and Asbestos

Features

- ✓ PTFE coated glass fiber composition creates a hydrophobic media with a very low moisture absorption capacity.
- ✓ Excellent heat resistance, stable up to 260°C.
- ✓ High degree of stability. The PTFE binder prevents absorption of acid gases such as Sox, NOx and etc.

Major Applications

- ✓ Measurement and analysis of suspended particle matter in air using high/low volume air sampler.
- ✓ Air dust analysis.
- ✓ Quantitative analysis of asbestos in building materials (JIS A 1418-3) (PG-45: 25mm dia. mainly)

Specifications

	PG-45	PG-60
Weight	44 g/m ²	60 g/m ²
Thickness	0.12mm (4.7mil)	0.15mm (5.9mil)
*1 Pressure Drop (at 5cm/sec)	0.15kPa (0.02psi)	0.44kPa (0.06psi)
*2 Retention Efficiency (0.3 μmDOP)	97.5%	99.95%
*3 Water Break Through	≥2.5 kPa (0.36 psi)	≥7.8 kPa (1.13 psi)
*4 Moisture Content	≤0.17mg	0.11mg
Binder	Fluorine Resin	
*5 Maximum Operating Temperature	260°C	

*1 Pressure Drop : Measured at 5cm/s ventilation speed.

*2 Retention Efficiency : Measured using air with 0.3μm of dispersed dioctyl phthalate.

*3 Water Break Through : Required pressure to get water pass through.

*4 Moisture Content : Measured with 47mm dia. filter after 24hrs. Exposure of 90% humidity in accordance with JIS K0901 "Shape and size of filter material for sampling airborne dust and the performance test method"

*5 Maximum Operating Temperature is an estimated value as it could vary by the conditions such as the pressure or the measured time.



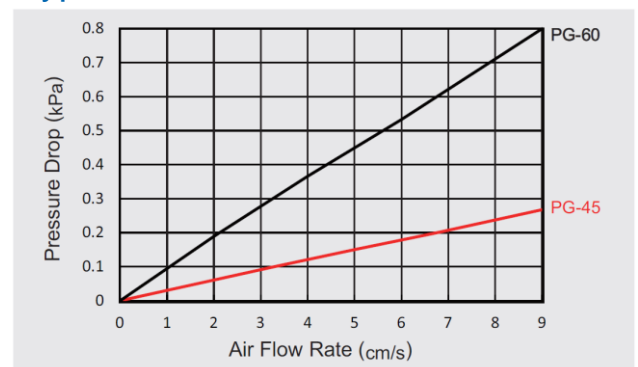
PG-45/PG-60: For air dust analysis

PG-45: Can be used for asbestos analysis

Note

As these grades are designed for air sampler with hydrophobic feature, please use carefully in case of liquid filtration.

Typical Air Flow Rate



PG-45 Size variation

Diameter	10mm	20mm	25mm	35mm	47mm	55mm	80mm	110mm
Item Code	36651010	36651020	36651025	36651035	36651047	36651055	36651080	36651110
QTY/pack	100	100	100	100	100	100	100	50

PG-60 Size variation

Diameter	21mm	24mm	25mm	26mm	37mm	45mm	55mm	70mm
Item Code	36661021	36661024	36661025	36661026	36661037	36661045	36661055	36661070
QTY/pack	100	100	100	100	100	100	100	100
Diameter	90mm	110mm	125mm	150mm	300mmx300mm			
Item Code	36661090	36661110	36661125	36661150	36663300			
QTY/pack	50	50	50	50	10			

Contact:

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