ADVANTEC®

PTFE Coated Glass Fiber Filters

PG-45・PG-60

Composite Filters(PTFE Coated)

Advantec Toyo Kaisha, Ltd.

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PG-45 • PG-60

Composite Filters(PTFE Coated)

Specially developed for the measurement of dust concentration in the air.

Features

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

Applications

- Measurement and analysis of suspended particulate matter in air using high volume/low volume air sampler.
- Air dust analysis.

Note

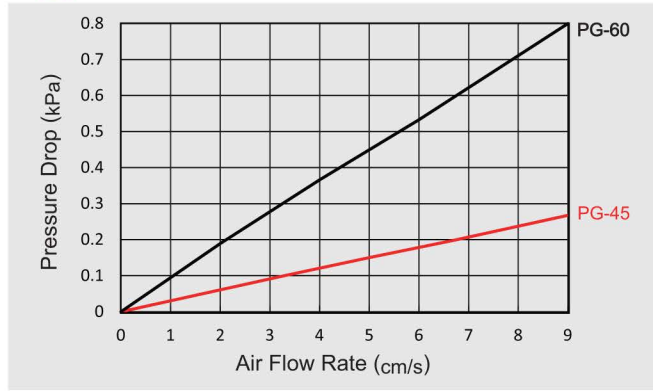
- As these grades are designed for air sampler with hydrophobic feature, please use carefully in case of liquid filtration.

Specifications

	PG-45	PG-60
Weight	44 g/㎡	60 g/㎡
Thickness	0.12mm (4.7mil)	0.15mm (5.9mil)
Pressure Drop (at 5cm/sec)	0.15kPa (0.02psi)	0.44kPa (0.06psi)
Retention Efficiency(0.3 ㎛DOP)	97.5%	99.95%
Water Break Through	≧2.5 kPa (0.36 psi)	≧7.8 kPa (1.13 psi)
Moisture Content*	≦0.17mg	0.11mg
Binder	Fluorine Resin	
Maximum Operating Temperature	260℃	

* Measurement of 47mm in 90% humidity for 24hr.

Typical Air Flow Rate



PG-45 Filter

Diameter	Catalog No.	Packaging
10 ㎜	36651010	100
20 ㎜	36651020	100
25 ㎜	36651025	100
35 ㎜	36651035	100
47 ㎜	36651047	100
55 ㎜	36651055	100
80 ㎜	36651080	100
110 ㎜	36651110	50

PG-60 Filter

Diameter	Catalog No.	Packaging
21 ㎜	36661021	100
24 ㎜	36661024	100
25 ㎜	36661025	100
26 ㎜	36661026	100
37 ㎜	36661037	100
45 ㎜	36661045	100
47 ㎜	36661047	100
55 ㎜	36661055	100
70 ㎜	36661070	100
90 ㎜	36661090	50
110 ㎜	36661110	50
125 ㎜	36661125	50
150 ㎜	36661150	50
300 × 300㎜	36663300	10

Toward the Future of Science
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