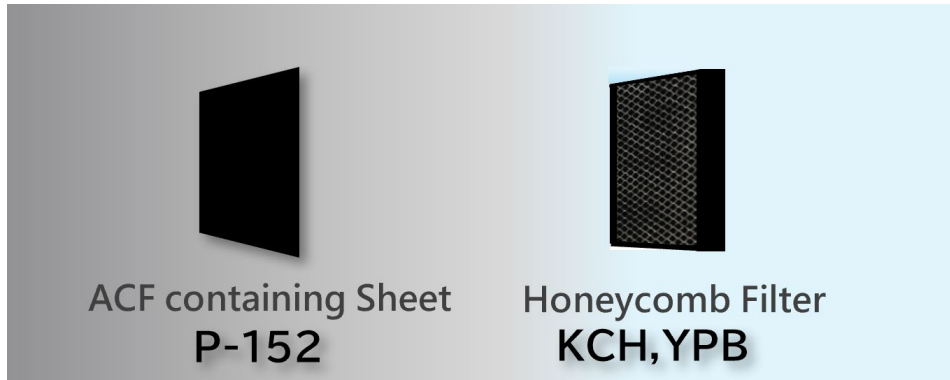


Deodorizing Filter (ADSTOLON™)

What is ADSTOLON™?

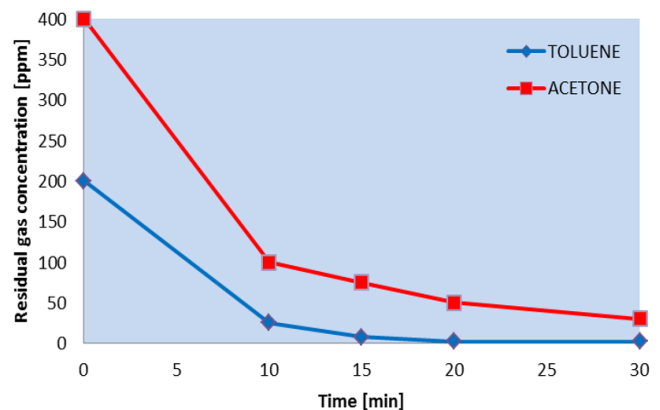
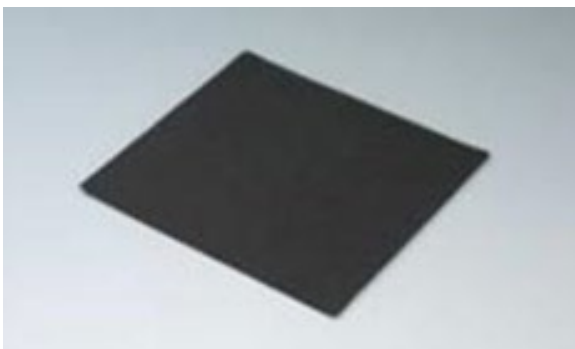
This deodorizing filter uses our company's unique adsorption technology and catalyst, originating from activated carbon fiber, which Toyobo successfully mass-produced for the first time in the world in 1975. It can be provided in wet and dry sheets containing activated carbon or processed into honeycomb shapes, and it can respond to various odors with a wide variety of variations.



Product 1. Sheet containing activated carbon

Thin, flexible deodorizing filter material.

Activated Carbon Fiber-containing Sheet



Physical properties

Media code	Weight	Thickness
	[g/m ²]	mm
P-152	17	0.18

Test method:

Set the target gas and the sample in a desiccator and measure the gas concentration over time.

Sample size: 200 x 200 mm

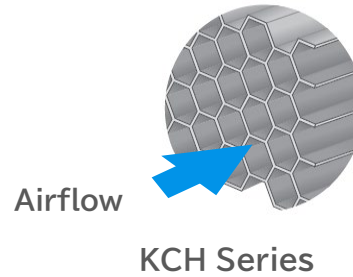
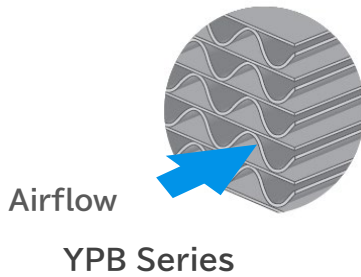
The above data are measured values and are not guaranteed values (according to our own research).

Features

Product 2. Honeycomb filter

ADSTOLON™ honeycomb type has a wide variety of cell numbers, and some types are excellent for ozone decomposition and VOC and sulfur gas removal.

Honeycomb Filter



Physical properties

Part number	Substrate	Adsorbent/ Decomposed Material	Number of Cells * 2	Initial pressure drop * 3	Initial removal efficiency * 4		UL
				ΔP	Ozone	Toluene	
			[cell/inch ²]	[Pa]	[%]	[%]	
YPB-340	Paper	Activated charcoal	340	14	81	81	UL94 V-1
YPB-430			430	18	87	87	
YPB-500			500	25	95	94	
KCH-A06	Aluminum	Catalyst + Activated Carbon	600	12	94	82	UL94 V-0
KCH-A08			800	16	97	92	
KCH-A12			1200	22	99	99	

We also have the NCH series as a VOC/deodorization capacity enhancement type.

*1 Thickness YPB(mm)11 or more Can be set arbitrarily KCH(mm): 10,15,20

*2 Number of cells YPB: 120,190,340,430,500/KCH: 600,800,1200

*3 Wind velocity 1 m/s

*4 Initial concentration: Ozone 1ppm, Toluene 5ppm, Wind velocity 1 m/s, Temperature and humidity 25°C50%RH

The above data are measured values and not guaranteed values (according to our company).

Specifications and Performance

Odor Response Table

1. Wet Activated Carbon Sheet (Single Plate Wind Speed 0.2 m/s~)

Part Number	Deodorization Efficiency							
	Toluene	Acetaldehyde	Formaldehyde	SO ₂	NO ₂	NH ₃	acetic acid	O ₃
P-152	△	-	-	-	-	△	△	△

2. Dry Activated Carbon Sheet (Single Plate Wind Speed 0.2 m/s~)

Part No.	Deodorization efficiency							
	Toluene	acetaldehyde	formaldehyde	SO ₂	NO ₂	NH ₃	acetic acid	O ₃
NDF90*** **	○	○	○	○	○	○	○	△
NDF225** **	◎	○	○	○	○	○	◎	△

3. Honeycomb Filter (Wind Speed 1 m/s~)

Product number	Deodorization efficiency							
	Toluene	Acetaldehyde	Formaldehyde	SO ₂	NO ₂	NH ₃	acetic acid	O ₃
YPB-***	○	-	-	○	○	○	○	○
KCH-***	◎	-	-	◎	○	○	○	◎

**** in YPB and KCH is the number of cells/inch². Performance depends on the number of cells.