

Dust Deodorization Filter (Twintron™)

What is TWINTOLON™?

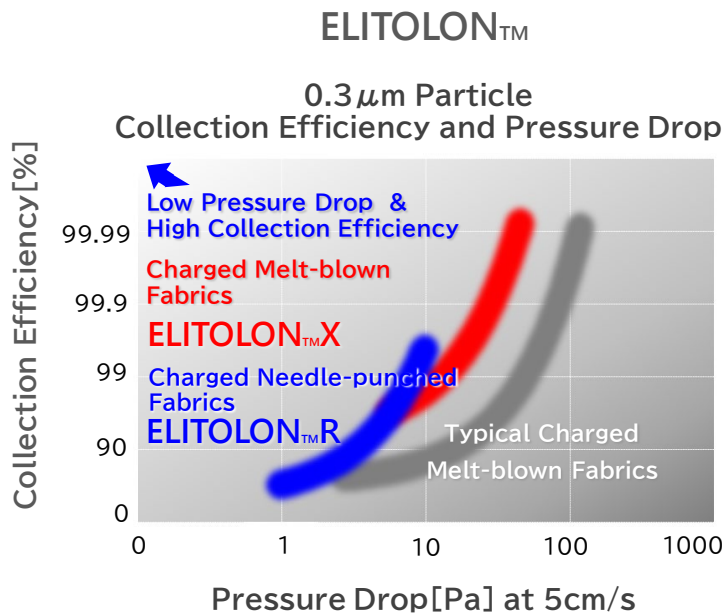
TWINTOLON™ is a filter material that has both deodorization and dust removal capabilities.

In addition to deodorization and additional function options, the combination of low pressure loss and high efficiency ELITOLON™ enables us to meet the increasing demand for higher performance.



Wide range of dust removal performance

In combination with various ELITOLON™, it can be used in a wide range of performance areas.

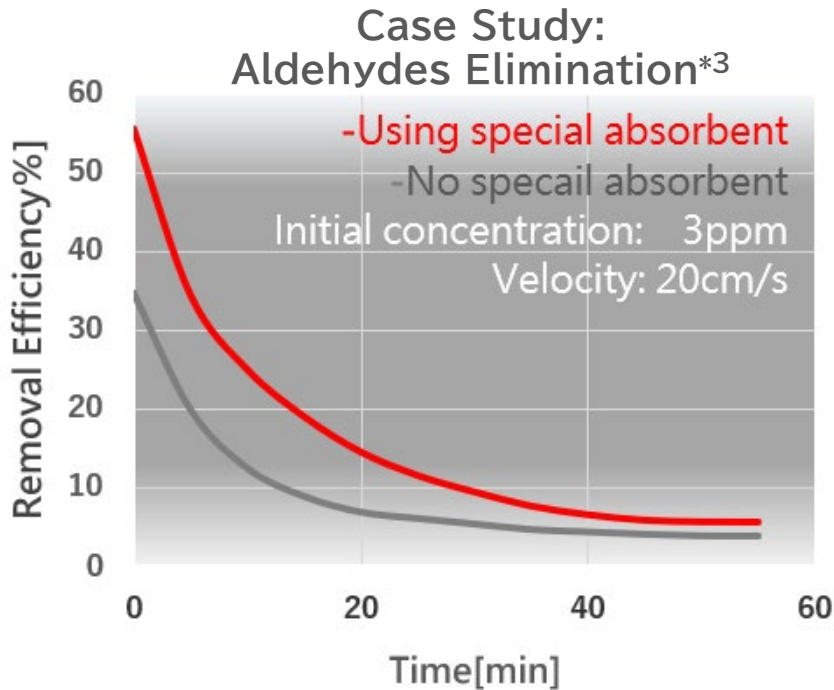


The above data are measured values, not guaranteed values (according to our company).
ELITOLON® is a trademark of Toyobo MC's electrified filter and electrified nonwoven fabric.

Features

Aldehydes High efficiency Deodorization performance

Optionally, the aldehyde removal performance of the deodorization layer can be improved.

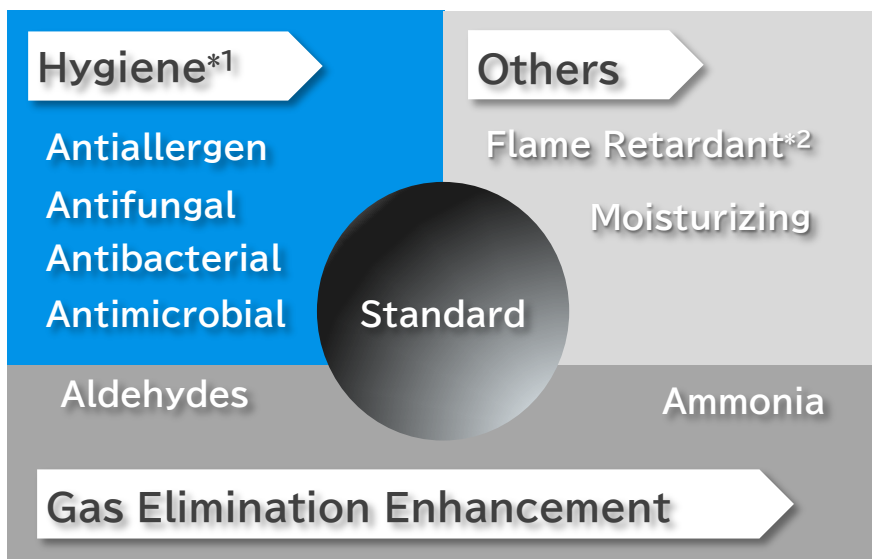


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Aldehydes High efficiency deodorization performance is the result of measuring acetaldehyde (according to our company).

Various additional functions

Aldehydes, etc. Additional functions such as high efficiency deodorization performance, antiviral and antibacterial properties can be optionally added.



Antibacterial, antifungal, antiallergenic and antiviral are the performances confirmed on non-woven fabrics under certain conditions.

Specifications and Performance

TWINTOLON™ General Properties

Part number	Deodorizing layer		dust-removing layer	Weight	Thickness * 1	Pressure drop * 2	Initial efficiency * 3	Initial deodorization efficiency * 4	
	Granular activated carbon	Special adsorbent	ELITOLON ◦				ISO A2	toluene	holm aldehyde
				[g/m ²]	[mm]	[Pa]	[%]	[%]	[%]
TXA15L45 **	●		X	180	0.7	12	65	22	12
TXA15L90 **	●		X	230	0.8	13	65	45	16
TFR15225 **	●		R	380	1	13	55	60	28
TFR80225 **	●		R	420	1.3	27	95	60	28
TXA15L45 A*	●	●	X	180	0.7	12	65	22	19
TXA15L90 A*	●	●	X	230	0.8	13	65	45	25
TFR15225 A*	●	●	R	380	1	13	55	60	48
TFR80225 A*	●	●	R	420	1.3	27	95	60	48

Other additional functions can be proposed.

*1 Load: 15.3 g/cm²

*2 Wind speed: 10 cm/s

*3 Wind speed: 10 cm/s, measured with an ISO11155 compliant duct

*4 Initial concentration, wind speed: 20 cm/s Toluene: 80ppm, Formaldehyde: 10ppm

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