

.filtration

tako. filtration FILTER FOAM SOLUTIONS



**CLEARING THE WAY
FOR SAFE
SURROUNDINGS.**

NEVEON

The Future of Foam

OUR FILTERS

PROVIDE CLARITY

Due to their manipulated cell structures, our **tako.** filter foams separate gases, liquids and solids reliably and safely. Our filtration solutions clean air and water and as a substrate also provide flawless performance in industrial processes. The **tako.** filter foam family consists of reticulated polyurethane foams based on polyether and polyester polyols with an entirely open cellular network.

All our ether and ester filter foams are available in blocks, rolls, sheets and converted shapes and designs as well as in different pantone color grades.

ESTER TYPES

- standard ester filters, filters for ceramic and special applications
- cell diameters from 400 to 5500 microns (8 to 90 PPI).
- coarse or pre-filtration of air in automotive and other industry applications, air conditioning, ventilation and special filter products.
- can be modified and post-treated in various processes.

ETHER TYPES

- ether filters for air, water and special applications
- cell diameters from 600 to 4500 microns (10 to 70 PPI).
- coarse air filtration
- water and aquarium filtering, stable in water due to their ether polyol
- reticulated ether foams with flame retardant and special grades for outdoor and humid environments.

GENERAL CODING SYSTEM FILTER

tako. FS xxx mmm C, R, P, H, FR, U

FS = ester filter foam with a standard density of +/-30 kg/m³

FT = ether filter foam with a standard density of +/-22 kg/m³

xxx = maximum net density plus one

mmm = target of cell diameters in micron divided by 10

C = specific quality for ceramic filter application

EC = extra coarse

R = enhanced hardness

P = special polishing grade

H = special hydrophilic grade, for ink pads

D = contents flame retardant for improved flame resistance and/or passes the MVSS 302 test

U = improved flame resistance and passes the UL test

M = WRAS certification

available in pure white, beige, anthracite, black

tako. ester based filter for AIR FILTRATION

Foam Type	PPI [pores per inch]	Cell Diameter [µm]	Net Density [kg/m³], ISO 845	Hardness CLD 40% [kPa], ISO 3386/1	Color
FS 31450	10	3800-5200	27 - 31	>=2,5	black
FS 31360	13	3300-3900	27 - 30	2,0 - 4,0	black
FS 28300	20	2700-3300	25-26	4,7 - 5,4	dark grey
FS 28280	20	2300-3300	23 - 27	2,0 - 4,0	beige, black
FS 28190	30	1650-2150	23 - 27	3,0 - 4,0	beige, black
FS 28133	45	1080-1580	23 - 27	2,5 - 4,5	beige, black
FS 28089	60	740-1040	23 - 27	2,5 - 4,5	beige, black
FS 34068	70	580-780	30 - 33	2,5 - 4,5	black
FS 31062	75	520-720	27 - 31	3,5 - 5,5	beige, black
FS 28053	75	480-580	23 - 27	3,5 - 5,6	beige, black
FS 31048	90	440-520	26 - 30	2,0 - 4,0	beige, black



tako. ester based filter for CERAMICS

Foam Type	PPI [pores per inch]	Cell Diameter [µm]	Net Density [kg/m³], ISO 845	Hardness CLD 40% [kPa], ISO 3386/1	Color
FS 28800 C	5	>= 5500	24 - 28	3,2 - 4,5	beige
FS 28800 CEC	5	>= 6500	23 - 27	>= 3,2	beige
FS 28720 C	6-8	>=5000	24 - 28	3,5 - 4,5	beige
FS 32520 C	8-10	4800 - 6000	27 - 31	3,5 - 5,0	black



tako. ester based filter for CERAMICS

Foam Type	PPI [pores per inch]	Cell Diameter [µm]	Net Density [kg/m³], ISO 845	Hardness CLD 40% [kPa], ISO 3386/1	Color
FS 28520 C	8-10	4800 - 6000	23 - 27		black
FS 31450 C	11	3800-5200	26 - 30	3,5 - 5	beige
FS 31410 C	12	3800-4400	26 - 30	>= 3,5	black, beige
FS 32315 C	17	2850-3450	27 - 31	2,0 - 4,0	black
FS 31300 C	19	2700-3300	25-26	4,7 - 5,4	black
FS 32240 C	23	2100-2700	27 - 31	2,0 - 4,0	black
FS 32175 C	33	1600-1900	27 - 31	2,0 - 4,0	black
FS 32138 C	41	1260-1500	27 - 31	2,0 - 4,0	black
FS 38113 C	45	1050-1210	33 - 37	3 - 5	dark grey
FS 38093 C	57	850-1010	33 - 37	3 - 5	dark grey



tako. ester based filter FLAME RETARDANT GRADES

Foam Type	PPI [pores per inch]	Cell Diameter [µm]	Net Density [kg/m ³], ISO 845	Hardness CLD 40% [kPa], ISO 3386/1	Color
FS 32450 D	10	3800-5200	27 - 31	2,0 - 4,0	black
FS 32280 D	20	2300-3300	27 - 31	2,0 - 4,0	black
FS 32190 D	30	1650-2150	27 - 31	2,0 - 4,0	black
FS 32133 D	45	1080-1580	27 - 31	2,5 - 4,5	black
FS 32089 D	60	740-1040	27 - 31	2,5 - 4,5	black
FS 32062 D	75	520-720	27 - 31	2,5 - 4,5	black



tako. ester based filter for SPECIALTIES

Foam Type	PPI [pores per inch]	Cell Diameter [µm]	Net Density [kg/m ³], ISO 845	Hardness CLD 40% [kPa], ISO 3386/1	Color
FS 31084 R	60-70	710-970	26 - 30	3,5 - 5,5	black
FS 40084 R	65-75	<=530	35 - 39	3,5 - 5,5	black
FS 31062 R	75	520-720	27 - 31	3,5 - 5,5	black
FS 31048 R	90	440-520	26 - 30	3,5 - 5,5	black
FS 57037	100	<=400	50 - 56	4,0 - 6,0	black
FS 32053 P	80	480-580	27 - 31	3,5 - 5,5	black
FS 65040 H	90-100	360-440	56 - 64	4,5 - 6,5	black



tako. ether based filter for WATER FILTRATION

Foam Type	PPI [pores per inch]	Cell Diameter [µm]	Net Density [kg/m ³], ISO 845	Hardness CLD 40% [kPa], ISO 3386/1	Color
FT 25450	10	3400-5600	20 - 24	2,5 - 4,5	beige, black, blue
FT 29350	14	3000-4000	24 - 28	3,0 - 5,0	beige, black, blue
FT 25280	20	2200-3400	20 - 24	2,5 - 4,5	beige, black, blue
FT 25190	30	1600-2200	20 - 24	2,5 - 4,5	beige, black, blue
FT 25133	45	1060-1600	20 - 24	3,0 - 5,0	beige, black, blue
FT 25089	60	740-1040	20 - 24	2,5 - 4,5	beige, black, blue
FT 28074	65-75	620-860	24 - 27	3,0 - 5,0	beige, black, blue



tako. ether based filter for SPECIALTIES

Foam Type	PPI [pores per inch]	Cell Diameter [µm]	Net Density [kg/m ³], ISO 845	Hardness CLD 40% [kPa], ISO 3386/1	Color
FT 33450 R	10	3400-5600	28-32	>=7	black, white, blue



We are NEVEON and foam is our world.

As a strong partner of both trade and industry we offer foam solutions for a huge range of applications, from the comfort segment through the transportation sector to a limitless variety of specialty applications. However, irrespective of how dissimilar our products and their areas of application are, they constantly have one common goal. They improve the energy balance in many contexts and make life more comfortable and safer. Or, in other words, simply better!



CONTACT

We would be happy to send you further product information.

Just get in touch!

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