

# FILTER MEDIA

After the takeover of the industrial division of Blücher GmbH at the beginning of 2021 and its consistent and successful expansion, it was time for Talamon to take another significant step forward. Talamon invested in its German production site and further developed its manufacturing know-how.

The previous product range of the Premium line is characterised by foam and pleatable flat filter media based on spherical high-performance adsorbents of polymer origin and ion exchangers for very special applications and requirement profiles. These products are well known in air filter applications such as aerospace, medical technology, clean rooms, special automotive solutions, kitchen ambient air and others. Now Talamon is expanding its product range to include filter media based on granulated activated carbons to reach new markets.

The new Standard line also includes product solutions with impregnated carbons, from acidic and basic functionalisation to

# Reaching new markets

Talamon is expanding its product range to include filter media based on granulated activated carbons.

**Above:**  
Foam filter media.

**Right:** Product portfolio of the Standard line: foam filter media with granulated activated carbon.

PRODUCT PORTFOLIO			
Thickness	5,5 mm	10 mm	20 mm
DENSITY	very open structure	<b>109523</b> weight: 1100 ± 300g/m <sup>2</sup> carbon: approx. 50%	<b>109524</b> weight: 2100 ± 600g/m <sup>2</sup> carbon: approx. 50%
	open structure	<b>109525</b> weight: 1800 ± 350g/m <sup>2</sup> carbon: 1250 ± 350g/m <sup>2</sup>	<b>109526</b> weight: 3500 ± 700g/m <sup>2</sup> carbon: 2400 ± 350g/m <sup>2</sup>
	medium dense structure	<b>109527</b> weight: 2100 ± 350g/m <sup>2</sup> carbon: 1500 ± 350g/m <sup>2</sup>	<b>109528</b> weight: 4000 ± 700g/m <sup>2</sup> carbon: 2900 ± 700g/m <sup>2</sup>
	dense structure	<b>109530</b> weight: 2300 ± 400g/m <sup>2</sup> carbon: 1750 ± 400g/m <sup>2</sup>	
	very dense structure	<b>109529</b> weight: 1150 ± 250g/m <sup>2</sup> carbon: 850 ± 250g/m <sup>2</sup>	

\*\* Other media thicknesses possible on request.  
\*\*\* Modifications against acidic and basic gases possible.

broadband impregnations for a wide spectrum of pollutants in the treatment of air and gas flows. In addition to customer-specific geometries in a wide variety of combinations, Talamon also offers sheet products for customers' own manufacture. A range of the available standard qualities is shown in the portfolio above.

Foam filters stand for highly efficient gas filtration that is combined with a low flow resistance. They feature high functionality, and they are variable with respect to capacity, shape and thickness. Features and benefits of the new Standard line are identified in the table on the left.

The new foam media can be used for problem solving of air and gas purification in industrial applications such as filtration of odor

in households (eg in kitchen hoods, refrigerators and vacuum cleaners); supply of air for clean rooms (eg for the semiconductor industry); filtration of hazardous substances in air conditioning systems (eg indoor air, for showcases in museums); cleaning of contaminated breathable air and process air (eg at work benches for recycling); and cabin air filtration (eg in agricultural vehicles and landfill vehicles).

The products from both lines will be presented at Filtech 2024. The Talamon team looks forward to welcoming you to booth E38 in Hall 8.

FEATURE	ADVANTAGE
Pressure difference	low noise level and best energy efficiency
Adsorption characteristics	good kinetics, good ratio of performance/capacity to available filter volume/thickness
Other features	broad portfolio of modifications very good price-performance ratio self-sealing
Shape forming	easy handling during filter production every customised geometry is possible
Design	multifunctional due to combination of different functional layers eg against VOC, aldehydes, acidic and basic gases

**ABOUT THE AUTHOR**

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