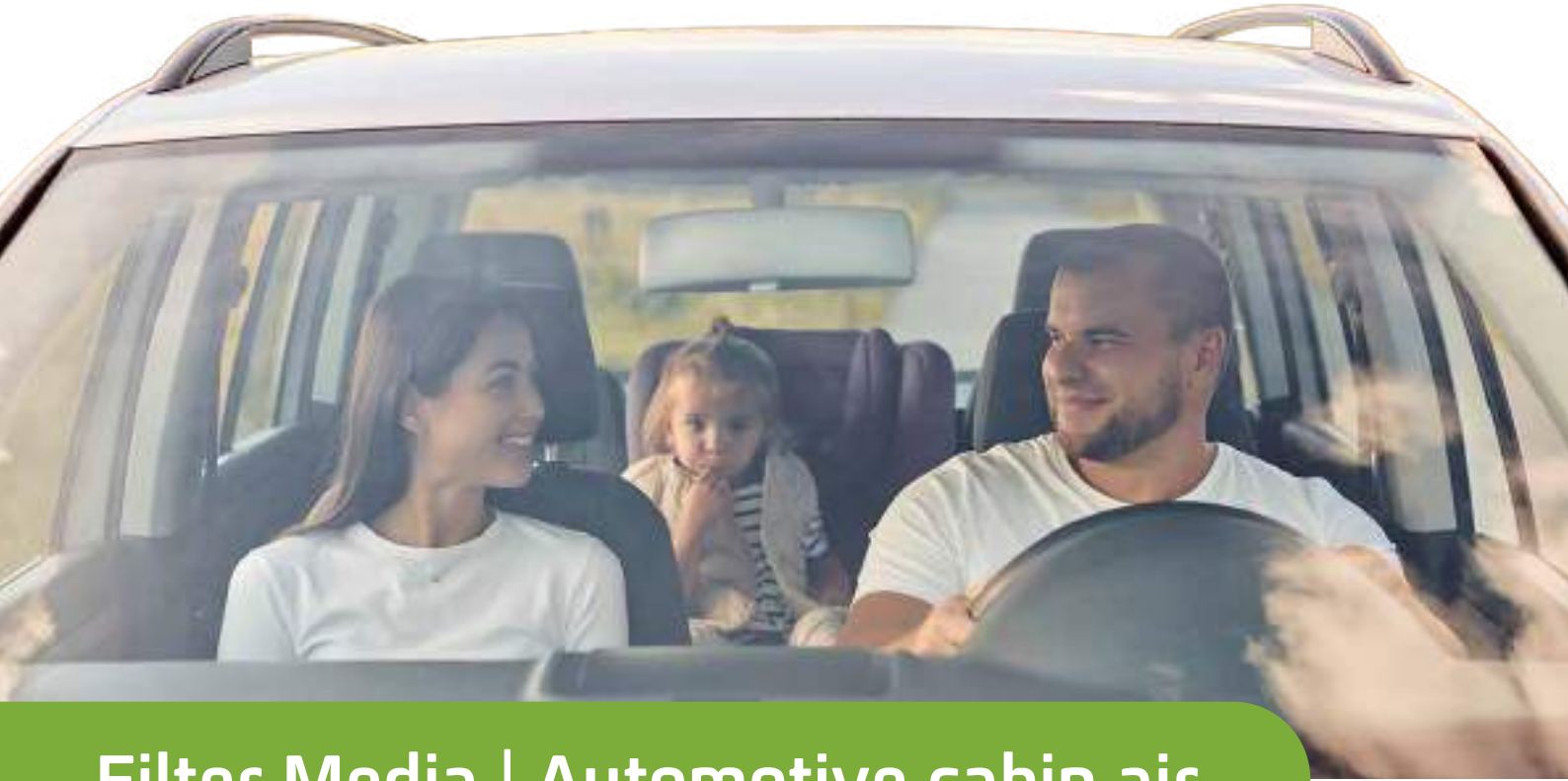




NOAM URIM
ENTERPRISES LTD.



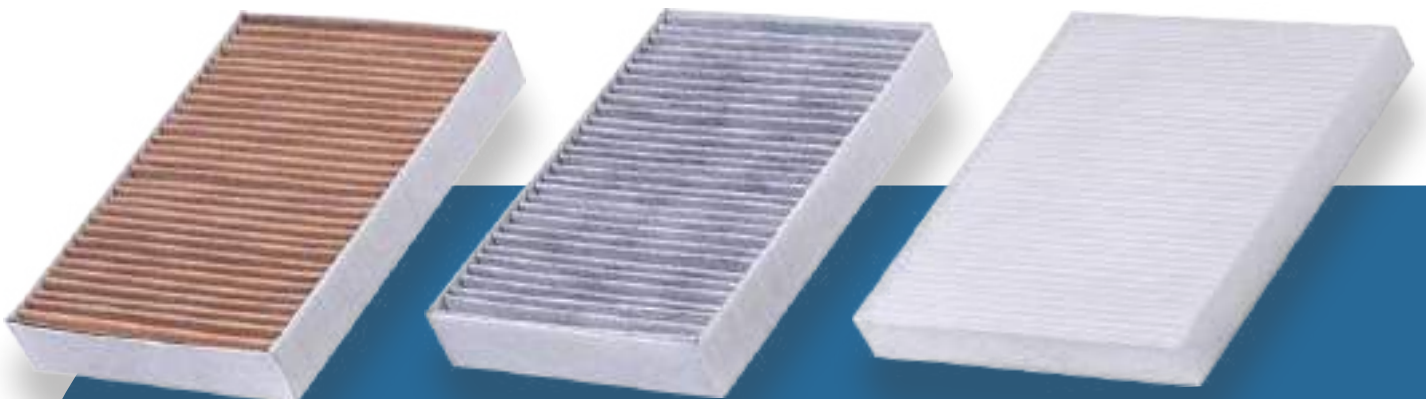
Filter Media | Automotive cabin air

**Breathe clean,
fresh and
protected air.**

Enhance your driving experience with Noam Urim's high-quality automotive cabin air filter media.

Using our advanced RiteGuard™ filtration technology, we design filter media that delivers an outstanding defense against pollutants, allergens, harmful gases, odors and more to provide clean, fresh air inside the vehicle.

Adding a carbon layer and an antimicrobial layer to our filtration media results in enhanced filtration, extra protection and exceptional performance.



What makes Noam Urim's filter media better?



Antimicrobial protection

The antimicrobial layer (selected media only) inhibits the growth of microorganisms.

Drivers and passengers alike can breathe easier since the air inside the vehicle is clean, fresh and protected against microorganisms and odors.

With our novel filter media, the car cabin environment has never been cleaner or healthier.



Harmful gas and odor elimination

The activated carbon layer in our cabin air filter media efficiently absorbs and neutralizes unpleasant odors to ensure the vehicle cabin is fresh and clean.



Superior filtration efficiency

Our cabin air filter media include an added antimicrobial layer or an activated carbon layer (or both, in selected media only).

These layers effectively capture and trap harmful particles in the air, including dust, pollen, allergens, mold spores, microorganisms, exhaust fumes and even harmful gases such as Volatile Organic Compounds (VOCs).



High air permeability

As well as outstanding filtration efficiency, our unique production technology enables excellent airflow and permeability for a comfortable driving experience.



Excellent "pleatability"

We produce a variety of cabin air filter media of different stiffnesses for optimal compatibility with industrial pleating processes in the manufacture of cabin air filters.



Long life cycle

Noam Urim filtration media are built to last!

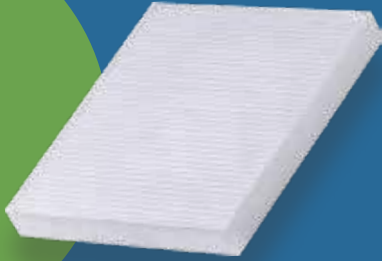
With excellent durability, the media maintain their filtration and antimicrobial performance over an extended period.

With regular maintenance and replacement, consumers can enjoy the benefits of clean and protected air inside their vehicles drive after drive, year after year.

Noam Urim's cabin air filter media technologies

Standard Filtration

Nano Technology

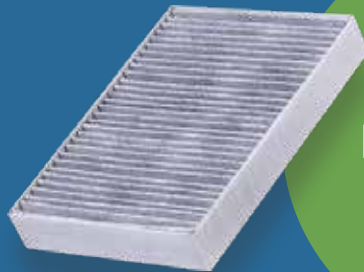


Basic protection from a nanofiber or charged media layer.

Our nano-treated filter medium effectively traps pollen particles, dust and other airborne allergens to ensure that the cabin air is cleaner and fresher.

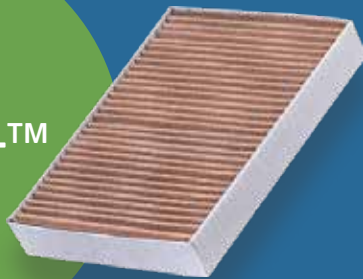
Extra protection from an activated carbon layer.

RiteGuard™ goes beyond basic filtration by incorporating a layer of activated carbon. It effectively absorbs and neutralizes odors, harmful gases and VOCs that enter the vehicle's cabin. It also eliminates unpleasant smells such as exhaust fumes, cigarette smoke, food and pet odors for a fresher, more pleasant environment.



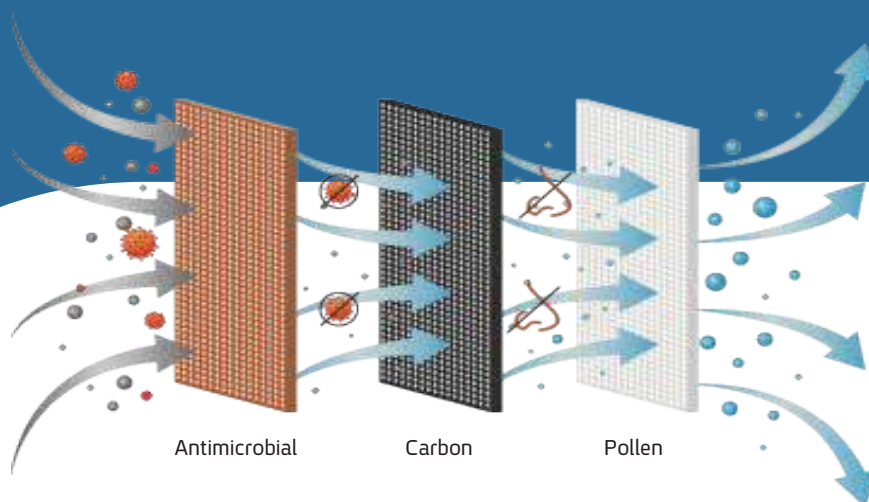
RiteGuard™

RiteGuard+™



Ultimate protection from an embedded antimicrobial layer

RiteGuard+™ — with its additional antimicrobial layer — combines the benefits of our nanofiber layer and our activated carbon layer. This novel, triple-layer filter media not only removes harmful gases and neutralizes odors but inhibits the growth of microorganisms within the filter, thereby preventing penetration into the vehicle interior. This ultimate level of protection against harmful microorganisms and viruses ensures a cleaner and healthier vehicle cabin environment.





Technical specifications

Standard Filtration	Basis Weight (ISO 9864)	Activated carbon content	Thickness under 2 kPa (ISO 9863)	Air permeability @ 200 Pa (ISO 9237)	Initial ΔP (ISO 5011)	Filtration efficiency @ 0.4μm particle (ISO 5011)	Bending resistance [Taber] (ISO 2493-2)	Flame retardancy (DIN 53438-3)
	g/m ²	g/m ²	mm	l/(m ² ×s)	Pa	%	g-f×cm	
CAF-0600NF	65 ± 10%	0	0.35 ± 10%	1,500 ± 150	<240	>97	>10	F3
CAF-1400TE	150 ± 10%	0	0.90 ± 10%	1,600 ± 150	<25	>75	>10	F3
CAF-1400NF	140 ± 10%	0	0.95 ± 10%	1,200 ± 150	<40	>60	>10	F3

Premium Filtration	Basis Weight (ISO 9864)	Activated carbon content	Thickness under 2 kPa (ISO 9863)	Air permeability @ 200 Pa (ISO 9237)	Initial ΔP (ISO 5011)	Filtration efficiency @ 0.4μm particle (ISO 5011)	Bending resistance [Taber] (ISO 2493-2)	Flame retardancy
	g/m ²	g/m ²	mm	l/(m ² ×s)	Pa	%	g-f×cm	
RiteGuard™ 290	290 ± 10%	140	1.10 ± 10%	2,000 ± 150	<15	>25	>40	F3
RiteGuard™ 300NF*	300 ± 10%	140	1.10 ± 10%	1,800 ± 150	<60	>55	>40	F3
RitGuard™ 360TE**	370 ± 10%	200	1.50 ± 10%	1,300 ± 150	<40	>80	>20	F1
RiteGuard™ 360NF*	360 ± 10%	200	1.40 ± 10%	1,600 ± 150	<30	>42	>25	F1
RiteGuard™ +360NF*	360 ± 10%	200	1.40 ± 10%	1,600 ± 150	<30	>42	>25	F1
RitGuard™ 600TE**	600 ± 10%	390	2.0 ± 10%	1,250 ± 150	<25	>82	>20	F1
RiteGuard™ 600NF*	600 ± 10%	390	2.0 ± 10%	1,450 ± 150	<75	>52	>25	F1
RiteGuard™ +600NF*	600 ± 10%	390	2.0 ± 10%	1,450 ± 150	<75	>52	>25	F1

* NF - Nano Technology

** TE - Triboelectric Charged

Trust Noam Urim for reliable automotive cabin air media

At Noam Urim, we are committed to developing high-quality automotive filter media to deliver fresh, clean air for the comfort, health and satisfaction of drivers and passengers.

With our more than 45 years of industry experience, in-house R&D and advanced production capabilities, we develop novel filtration media that meets the automotive industry's most stringent demands.

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