



Filter Media | Automotive engine air intake filter

Clean air for maximum engine performance.

Experience the top of filtration technology with our high quality synthetic fiber-based nonwoven filter-media, manufactured at the Noam Urim production facility.

Applying premium PET fibers, carefully bonded through both mechanical and thermal processes, our filters boast unparalleled performance. Our Engine Air Intake filter media protects the engine from natural and industrial contaminants, optimizing the fuel consumption, reducing the engine wear and increasing the safety. Producing with an innovative multi-layering technique, we create a density gradient within the media cross-section, guaranteeing superior dust holding capacities (DHC) and optimal efficiency.



Excellent pleatability



Low initial pressure drop



High filtration efficiency & DHC



Flame retardant (optional)



Long filter life



Wide range of weights & applications





Technical specifications

		NU-AIF180	NU-AIF210FR	NU-AIF240	NU-AIF240FR	NU-AIF270FR
Applicability to filter type		Injected Molded	Injected Molded	Injected Molded	Injected Molded Hot pressed	Injected Molded Hot pressed
Property	Test Method	Value				
Basis weight (g/m ²)	ISO-9864	180±10%	210±10%	235±10%	240±10%	260±10%
Thickness (mm)	ISO-9863	2.1±10%	2.5±10%	2.6±10%	2.7±10%	3.2±10%
Stiffness MD/CD TABER (g-f×cm)	ISO-2493	>20	>20	>35	>20	>25
Air permeability L/(m ² ×s)	ISO-9237 @ 200Pa	1300±150	1350±150	950±150	1050±150	1100±150
Initial ΔP (Pa)	ISO 5011 Flat sheet @ face velocity of 0.06 m/s	<10	<15	<12	<20	<22
DHC (g/m ²)	ISO 5011 Flat sheet @ final ΔP 3 kPa	>370	>380	>350	>420	>550
Final gravimetric efficiency [%]	ISO 5011 Flat sheet @ face velocity of 0.06 m/s	>99.4%	>99.7%	>99.6%	>99.8%	>99.9%
Mean pore size (μm)	BS 3321	110±20	110±20	110±20	100±20	100±20
Flame retardancy	DIN 53438-3	F3	F1	F3	F1	F1

Experience the Difference with Noam Urim: Clean air for powerful and efficient engines

At Noam Urim, we are committed to developing high-quality engine air intake filter media to ensure optimal engine performance and longevity. This results in a cleaner, more efficient engine, enhancing the overall driving experience and ensuring customer satisfaction.

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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