



Home cleaning  
Hygiene  
Geotextile  
**Air Filtration**  
Breathers  
Wadding  
Insulation



## Filter Media | Air Intake Filters

The synthetic fiber-based nonwoven filter media has been developed and manufactured at Noam Urim's own production facility.

The filter media is constructed from selected high-performance fine-denier fibers and produced in a gradient density that utilizes a multilayering technique to ensure high-dept loading with optimal performance even under low pressure.

These medias are thermally/chemically bonded and eventually impregnated with a proprietarie adhesive coating to prevent any release of fibers.

The results: High efficiency, long life filter, no particle migration, pleatability, reduced energy and mantainance costs.

### Application

Media for Air Intake Filters - Car Engines

### Features

- Synthetic fiber-based nonwoven
- Optimal performance even under lowest pressure
- Prevents release of fibers and migration of damaging particles
- Long filter life



Air Filtration



## Filter Media | Air Intake Filters

Property	Test Method	NU-AIF240	NU-AIF250FR	NU330 Hpr	NU230 Em
Air Intake Filter Main Type		Injected Molded	Injected Molded Flame Retardant	Hot Pressed Filters	Filters with Embossed Media
Mass per unit area (gr/m <sup>2</sup> )	ISO-9864	240	250	330	230
Thickness (mm)	ISO-9863	2.5	2.6	3.9	2.9
Tensile Strength MD/CD (N)	ISO-9073	>100	>100	>150	>150
Elongation MD/CD (%)	ISO-9073-3	>10	>10	>30	>20
Air permeability (L/m <sup>2</sup> /min)	ASTM D737 @ 200Pa	950	950	1250	1700
Mean Pore Size (µm)	B53321	110	110	120	120
Final Δp [kPa]	Flat sheet @ face velocity of 0.3m/s	3	3	2	2
Final gravimetric efficiency (ISO Fine dust - A2)[%]	Flat sheet @ face velocity of 0.3m/s	99.5%	99.5%	99%	99%
Dust Holding Capacity [g]	Flat sheet @ face velocity of 0.3m/s	900	1000	650	650
Bonding		Chemical	Chemical FR	Thermal	Thermal
Flame retardancy	DIN 53438 part 3	F3	F1	F1	F1