NOAM URIM
ENTERPRISES LTD.

Home Cleaning
Hygiene
Geotextiles
Air Filtration
Breathers
Wadding
Insulation

Filter Media | **Heating, Ventilation and Air Cooling (HVAC) Systems Filter**

Air Filtration

HVAC FILTERS (G2, G3, G4)

Synthetic fiber-based nonwoven filter-media, developed and manufactured at Noam Urim production facility.

Constructed from selected high-performance PET fibers, arranged in a progressive structure in order to create a density gradient in media cross-section, resulting optimal filtration performances.

High filtration efficiency, high dust holding capacity and longer useful lifetime, increase overall cost-efficiency.

Applications:

- G2-G4 (EN 779:2012) used for intake air filtration in air-conditioning systems of all kinds, particularly for coarse dust arrestance or as a pre-filter stage.
- M5 (EN 779:2012) used in paint booths or any applications in which high-quality filtration in the fine dust range is demanded.

Features

- Synthetic fiber-based nonwoven
- Progressive structure for increased density of fiber layers towards clean air side
- Optimal performance with low pressure drop and high permeability
- High dust holding capacity for long filter life
- Tackyfier at inlet (by demand)
- Backing scrim at outlet (M5 only)

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Property	Test Method	NU-G2-150	NU-G3-150P	NU-G3-200P	NU-G4-250P	NU-M5-565STP
Mass per unit area (g/m^2)	ISO-9864	150±10%	150±10%	200±10%	250±10%	565±10%
Thickness (mm)	ISO 9863	12-14	10-12	14-16	20-22	24-26
Air permeability $L/(m^2 \times Sec)$	ISO 9237 @ 70 Pa	2,500±10%	2,150±10%	1,700±10%	1,450±10%	460±10%
Initial Pressure Drop (kPa)	EN 779:2012 Flat sheet @ face velocity of: G2-G3 @ 1.5 m/s G4 @ 1.0 m/s M5 @ 0.25 m/s	20±10%	25±10%	45±10%	40±10%	30±10%
Final efficiency (%)	EN 779:2012 Flat sheet @ face velocity of: G2-G3 @ 1.5 m/s G4 @ 1.0 m/s M5 @ 0.25 m/s	>70 Gravimetric efficiency	>84 Gravimetric efficiency	>88 Gravimetric efficiency	>90 Gravimetric efficiency	>56 0.4 µm MPS efficiency
Dust Holding Capacity (g/m^2)	EN 779:2012 Flat sheet @ face velocity of: G2-G3 @ 1.5 m/s G4 @ 1.0 m/s M5 @ 0.25 m/s	>1000	>900	>850	>800	>400
Flame Retardancy	DIN 53438-3	F1	F1	F1	F1	F1

Air Filtration

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