

Fiberglass Air Filter Media

Our Fiberglass Air Filter media is created by using glass fibers as the main raw material and combining everything through a wet process. Characterized by stable properties, uniform fiber distribution, high dust holding capacity, high efficiency, low air resistance and high strength, it is an ideal material for air filtration. It is widely used for primary, medium and high efficiency air filters for air conditioning systems in medical, electronic, food and textile industries, etc.



Technical Parameters:

Item Code			FM-0501-G	FM-0601-G	FM-0602-G	FM-0701-G	FM-0801-G	FM-0901-G	FM-0902-G
Description		Unit	50-55% ASHRAE MERV10	60-65% ASHRAE MERV11	70-75% ASHRAE MERV12	80-85% ASHRAE MERV13	90-95% ASHRAE MERV15	80% DOP MERV16	90% DOP NA
Thickness		mm	0.35±0.03	0.35±0.03	0.35±0.03	0.35±0.03	0.35±0.03	0.35±0.03	0.35±0.03
Basis Weight		g/m²	70±5	70±5	70±5	70±5	70±5	70±5	70±5
Efficiency @0.3μm 5.33cm/s		%	≥8	≥15	≥25	≥45	≥55	≥80	≥90
Air Resistance @0.3µm 5.33cm/s		Pa	≤ 8	≤15	≤20	≥45	≤55	≤100	≤120
Tensile Strength	(MD)	KN/m	≥1.0	≥1.0	≥1.0	≥1.2	≥1.2	≥1.2	≥1.2
	(CD)	KN/m	≥0.5	≥0.5	≥0.5	≥0.6	≥0.6	≥0.6	≥0.6
Stiffness		mg	≥1000	≥1000	≥1000	≥1000	≥1000	≥1000	≥1000
Ignition Loss		%	≤10	≤10	≤10	≤10	≤10	≤10	≤10
Water Repellency		mmH ₂ O	≥250	≥250	≥250	≥250	≥250	≥250	≥250



Туре			G1001	G1101	G1201	G1202	G1301	G1302	G1401	G1402
Description		Unit	95% DOP	97% DOP	99.5% DOP	99.9% DOP	99.95% DOP	99.97% DOP	99.99% DOP	99.995% DOP
Thickness		mm	0.35±0.03	0.35±0.03	0.35±0.03	0.35±0.03	0.35±0.03	0.35±0.03	0.35±0.03	0.35±0.03
Basis Weight		g/m²	75±5	75±5	75±5	75±5	75±5	75±5	75±5	75±5
Efficiency @0.3μm 5.33cm/s		%	≥95	≥97	≥99.5	≥99.9	≥99.95	≥99.97	≥99.99	≥99.995
Air Resistance @0.3μm 5.33cm/s		Pa	≤140	≤160	≤250	≤280	≤300	≤330	≤350	≤380
Tensile Strength	(MD)	KN/m	≥1.2	≥1.2	≥1.2	≥1.2	≥1.2	≥1.2	≥1.2	≥1.2
	(CD)	KN/m	≥0.6	≥0.6	≥0.6	≥0.6	≥0.6	≥0.6	≥0.6	≥0.6
Stiffness		mg	≥1000	≥1000	≥1000	≥1000	≥1000	≥1000	≥1000	≥1000
Ignition Loss		%	≤10	≤10	≤10	≤10	≤10	≤10	≤10	≤10
Water Repellency		mmH ₂ O	≥300	≥300	≥300	≥300	≥300	≥300	≥300	≥300

Experiment condition and test methods:

- 1 Thickness -0100KPa , GB/T 451.3-2002Basis Weight-GB/T 451.2-2002;
- ② Efficiency—@0.3μm ,5.33cm/s, TSI8127, NIOSH 42 CFR PART 84;
- 3 Air Resistance-@0.3µm ,5.33cm/s, TSI8127, NIOSH 42 CFR PART 84;
- 4 Tensile Strength—GB/T 453-2002Stiffness—TAPPI T543;
- 5 Water Repellency—GB4744-1997, ISO811;
- **6**The specification is only for consideration.

A Plus International

A Plus International is headquartered in Los Angeles, California and is a 30+ year veteran in the design and production of woven and non-woven products. To ensure quality products, A Plus manages a complete industrial chain from raw materials to finished goods, serving customers in multiple industries, including healthcare, hygiene and filtration. The company treats the protection of human health as its core responsibility, pursues excellence and forges ahead with an innovative and eneterprising spirit. Internally driven by technical research and development, and based on strong production capacity, A Plus adheres to a differentiated product strategy and continuously supplies cost-effective and excellent materials. A Plus partners with industry leading R&D centers around the world and works closely with universities and research institutions for further breakthroughs.