

Low Air Resistance PP Melt-blown Filter Media

The Low Air Resistance PP Melt-blown Filter Media is made with polypropylene that goes through a special hot-melt method that decompresses and compresses two materials together to produce a new composite melt-blown filter material that halves the resistance strength of a traditional melt-blown material. This new material has high efficiency, low resistance, water resistance, high strength and environmental protection. As the low resistance allows more airflow, fan motors in different purification and filtration machines do not have to work as hard thus lowering energy consumption. This material is widely used in filters, household purifiers, fresh air systems and purification workbenches, aseptic operating rooms, and steam disinfection.



Technical Parameters:

Series	Item Code	ASHRAE 52.2	Thickness (mm)	Basis Weight (g/㎡)	Efficiency(%) Particle size: 0.3μm	Air Resistance (Pa)	Stiffness (mg)	Maximum Width (mm)
Low Air Resistance Filter Media	FM-0701-R	MERV13	0.38±0.05	65±5	>65	4.5±2	≥400	1600
	FM-0901-R	MERV15	0.38±0.05	70±5	>85	7±2	≥400	1600
	FM-1001-R	MERV16	0.38±0.05	70±5	>90	9±2	≥400	1600
	FM-1101-R	NA	0.40±0.05	70±5	>97	11±2	≥400	1600
	FM-1201-R	NA	0.43±0.05	75±5	>99.5	20±3	≥400	1600
	FM-1202-R	NA	0.43±0.05	75±5	>99.5	16±3	≥400	1600
	FM-1203-R	NA	0.43±0.05	75±5	>99.95	24±3	≥400	1600
	FM-1301-R	NA	0.45±0.05	80±5	>99.97	30±3	≥400	1600
	FM-1302-R	NA	0.45±0.05	75±5	>99.97	26±3	≥400	1600
	FM-1303-R	NA	0.45±0.05	75±5	>99.97	20±3	≥400	1600



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Series	Item Code	ASHRAE 52.2	Thickness (mm)	Basis Weight (g/ m ²)	Efficiency(%) Particle size: 0.1-0.2µm	Air Resistance (Pa)	Stiffness (mg)	Maximum Width (mm)
Ultra High Efficiency Low Resistance Filter Media	FM-1311-R	NA	0.45±0.05	90±5	>99.97	45±5	≥500	1600
	FM-1411-R	NA	0.45±0.05	100±5	>99.995	53±5	≥500	1600

Experiment condition and test methods:

- ① Thickness-@100KPa,GB/T 451.3-2002;
- ② Basis Weight -GB/T 451.2-2002;
- ③ Efficiency-@NaCl,0.3µm,5.33cm/s,TSI8130,NIOSH 42 CFR PART 84;
- ④ Air Resistance-@NaCl,0.3µm,5.33cm/s,TSI8130,NIOSH 42 CFR PART 84;
- ⑤ Stiffness-TAPPI T543.

Note:

- ① Above are composite 50gsm PET wet-laid non-woven fabric, can be compounded according to customer requirements with other gram weight PET wet-laid or dry-laid non-woven fabric;
- ② Standard width: 1.2m, 1.5m and 1.6m. The width can also be tailored to the customer's specific needs;
- ③ Standard length: 500m per roll;
- ④ Our company also can provide filter element.

■ 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 enterprising 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.