

SMART® New Products And New Applications

In recent years, A Plus has continued to increase research and development investments, constantly exploring and developing new products for new applications. A Plus actively expands the application of PP, PE, PET, antibacterial and other materials, and has accumulated rich technical reserves in PLA materials.

Smart® Antimicrobial Meltblown is made of imported antimicrobial agents certified by the FDA, with excellent antimicrobial and antiviral performance, high temperature resistance, and is safe, non-toxic, and odor free. It can be widely used in high-end masks, air purifiers and other fields.

SMART®Cool series of non-wovens are made by the advanced production process with its own patent technology and imported PP raw materials. The products are soft, smooth and non-pilling, which can be applied to the inner layer of high-quality masks, greatly improving the comfort for the end users.



☰ Technical Parameters for Antimicrobial Meltblown:

Item Code	Weight (g/m ²)	Resistance (Pa)	Efficiency (%)	Standard
		@NaCl,0.3um,32L/min		
FM-9150-M	25	≤30	≥92	EN779
FM-911H-C	20	≤10	≥90	
FM-011H-H	20	≤7	≥85	
FM-111H-H	20	≤10	≥95	EN1822
FM-211H-H	25	≤18	≥95.5	
FM-311H-H	35	≤35	≥99.97	

☰ Technical Parameters for Cool series of nonwovens:

Item Code	Weight (g/m ²)	Handle-O-Meter MD	Handle-O-Meter CD
		200mm*200mm (WSP 90.3)	
FM-9001-S	20	<15.18	<10.4
FM-9002-S	25	<15.18	<10.4

Smart® PLA Meltblown uses high quality polylactic acid raw materials, which is bio compostable, combined with our high quality meltblown to produce a new material with low fiber diameters. This product opens a new niche for non-woven materials as it is multi-faceted and can be combined with other materials such as laminated composites, co-polymers, and antimicrobial and antifungal agents. It has high filtration efficiency, low resistance, environmental protection and degradability, which can be applied to face masks, air purification and many other fields.

Technical Parameters for PLA Meltblown:

Item Code	Weight (g/m ²)	Resistance (mmH ² O)	Efficiency (%)
		@NaCl, 0.3um, 32L/min	
FM-9001-S	20	≤ 2.5	≥ 88%
FM-9002-S	25	≤ 3.5	≥ 92%

Note:

1. Deviation of Basic weight: ±10%
2. Can be customized according to customer needs

■ 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.