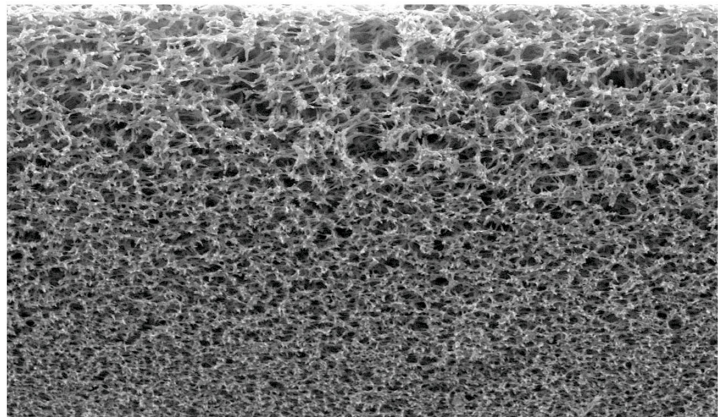
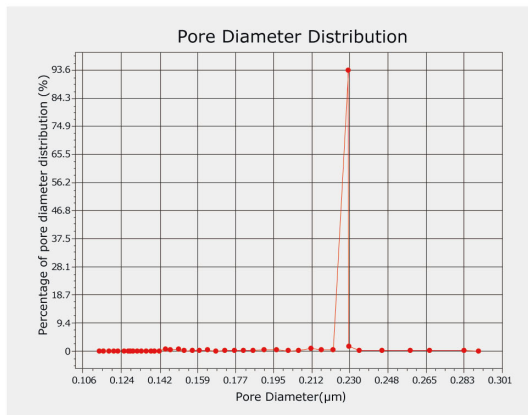


Microporous PES Membranes

A Plus offers a wide range of different flat sheet PES membranes, pore size ranging from 0.04 to 1.0 μm . Our PES microporous membranes are developed and manufactured specifically to meet the differing needs of various industries, including pharmaceutical and medical device, beverage, microelectronics and more. With our stringent qualification of all components, from our manufacturing process down to our personnel, we are able to offer consistent and quality products with predictable flow rates, particle retention and purification values.

The flat sheet PES membrane is made from a partially sulfonated polyethersulfone polymer to maintain a constant hydrophilic performance. For optimal results, our hydrophilic PES membranes provide high flow rates and low absorption characteristics. All microorganisms and particles are easily removed, without any effects on the ingredients, due to absorption or decomposition. Thanks to their low non-specific protein binding, the PES membranes are recommended for filtering biological and pharmaceutical solutions.

The cross-section of our flat sheet PES membranes' pore structure is anisotropic. It has a highly asymmetric polyethersulfone membrane, which demonstrates excellent throughput and high durability in many applications such as pharmaceutical and biological filtration, wine clarification, juice filtration and beer filtration.




Technical Parameters:

Code	Mean Pore Size (µm)	Weight (g/m ²)	Thickness (mm)	Bubble point (bar)	Flux (min.)ml/cm ²
FM-P004-B	0.04	20	110±10	2.50±0.3(IPA)	6±2
FM-P010-B	0.1	20	110±10	2.00±0.3(IPA)	10±2
FM-P022-B	0.22	20	110±10	4.10±0.3 (H ₂ O)	30±5
FM-P045-B	0.45	20	110±10	3.00±0.2 (H ₂ O)	65±5
FM-P065-B	0.65	20	110±10	2.00±0.2 (H ₂ O)	100±10
FM-P080-B	0.8	20	110±10	1.50±0.2 (H ₂ O)	150±10
FM-P100-B	1	20	110±10	1.00±0.2 (H ₂ O)	200±10

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.