

Flat-film Membrane

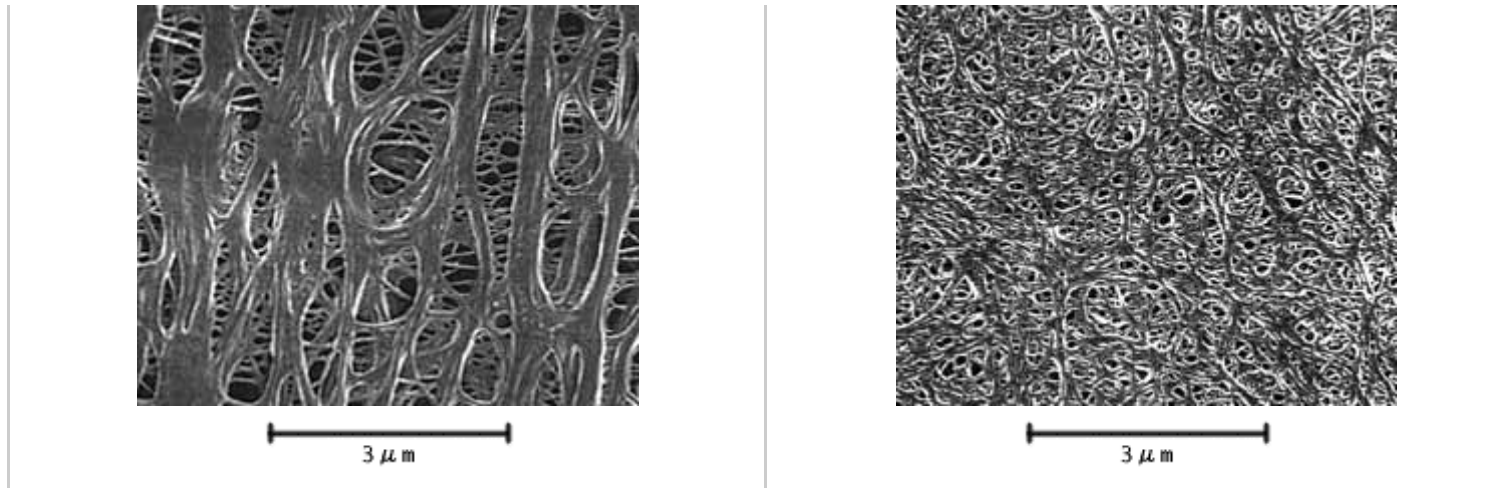


Hipore™

Hipore™ is Asahi Kasei's polyolefin flat-film membrane, used in a wide range of high-technology fields, such as lithium ion battery separators.

Flat-film membranes look like plastic films, but are actually filled with microscopic pores. The Hipore™ is high-performance microporous film membrane with wide range of thickness and highly uniform pores.

Micrograph of large pore diameter Hipore™	Micrograph of small pore diameter Hipore™



Features of Hipore™

1	Made of polyolefin, does not emit harmful gases when incinerated.
2	Available in a wide range of thicknesses with excellent uniformity of membrane thickness.
3	Available with uniform submicron pores.
4	High porosity, for outstanding liquid holding capacity.
5	High puncture strength, for improved safety and reliability.

Applications of Hipore™

Batteries

Batteries are indispensable for mobile electronics products. Hipore™ is widely used as a separator in lithium ion rechargeable batteries and primary lithium batteries, having earned an outstanding reputation for high performance and safety. Hipore™ separators are under development for a variety of other types of battery.

Capacitors

Demand is growing rapidly for double-layer capacitors as power back-ups to preserve data stored in the memory of mobile telephones, VCRs, and other electronic devices. Hipore™ separators are widely used in such capacitors.

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