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(54) Title: MICROPOROUS POLYMERIC MEMBRANES, METHODS FOR MAKING SUCH MEMBRANES, AND THE USE OF SUCH MEMBRANES AS BATTERY SEPARATOR FILM

(57) Abstract: The invention relates to a microporous membrane having a shutdown temperature $\leq 133.0^{\circ}\text{C}$ and a self-discharge capacity ≤ 110.0 mAh, e.g., ≤ 90.0 mAh. The invention also relates to a battery separator formed by such a microporous membrane, and a battery comprising such a separator. Another aspect of the invention relates to a method for making the microporous membrane, a method for making a battery using such a membrane as a separator, and a method for using such a battery.



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