

ABSTRACT

Battery separator, comprising: a porous substrate; and an adhesive layer formed on one side of the porous substrate, wherein the adhesive layer comprises a polymer material with adhesive properties, and the adhesive layer has a coating coefficient C , which is equal to the ratio of the adhesive strength A of the adhesive layer to the air permeability increase value P per unit coating thickness, satisfying the relationship $C=A/P$, and the ratio range of the coating coefficient C is $0.3<C<1$, wherein the unit of the adhesive strength A of the adhesive layer is N/m , and the unit of the air permeability increase value P per unit coating thickness of the adhesive layer is $s/100cc/\mu m$.

(FIG. 1)