consideration that an autoclave treatment is performed for the adhesive sheet, the adhesive sheet is required to have functionalities as follows:

(1) An adhesive of the adhesive layer does not flow out from an end portion of the adhesive sheet.

(2) Deterioration of the base material of the adhesive sheet is not significant.

(3) Under an effect of a plasticizer, for example, used for vinyl chloride that constitutes the blood bag, the pressure-sensitive adhesion ability of a pressure-sensitive adhesive layer to the vinyl chloride does not deteriorate so that the adhesive sheet is not lifted or does not delaminate.

[0005]

As an adhesive sheet having such functionalities, there is proposed an adhesive sheet which comprises a film base material and a polyester-based resin and which can strongly adhere to a plasticized vinyl chloride resin (e.g., Patent Literature 1 and 2).

[Prior Art Literature]

[Patent Literature]

[0006]

[Patent Literature 1] JP2004-231915A

[Patent Literature 2] WO2006/101219

[Summary ~~of the Invention~~]

In a first aspect of the present disclosure, there is provided an adhesive sheet to be used for adhesion to a plasticized vinyl chloride resin article, the adhesive sheet comprising a base material and a heat-sensitive adhesive layer laminated on one surface of the base material, the base material having a sheet-like shape, wherein:

the heat-sensitive adhesive layer is formed using a heat-sensitive adhesive composition;

the heat-sensitive adhesive composition contains a

polyester-based resin and a cross-linking agent;

the polyester-based resin contains an amorphous polyester resin having a glass transition temperature of −15°C or higher and 7°C or lower in an amount of 80 mass% or more relative to the whole polyester-based resin; and

the heat-sensitive adhesive layer includes a cross-linked structure formed by reaction of the polyester-based resin and the cross-linking agent.

[Problems to be solved by the Invention]

[0007]

A step in which an adhesive sheet as proposed in Patent Literature 1 or 2 is adhered to a blood bag is usually performed using a heat-sealing machine. In this step, the time for heat-sealing may be about several seconds in view of improving the productivity. In addition, the actual temperature of a sealing member in the heat-sealing machine at the time of processing (also referred to as a "heat-sealing temperature",

[Name of Document] Claims

[Claim 1]

An adhesive sheet to be used for adhesion to a plasticized vinyl chloride resin article, the adhesive sheet comprising a base material and a heat-sensitive adhesive layer laminated on one surface of the base material, the base material having a sheet-like shape, wherein:

the heat-sensitive adhesive layer is formed using a heat-sensitive adhesive composition;

the heat-sensitive adhesive composition contains a polyester-based resin and a cross-linking agent;

the polyester-based resin contains an amorphous polyester resin having a glass transition temperature of ~~-30~~15°C or higher and 7°C or lower in an amount of 80 mass% or more relative to the whole polyester-based resin; and

the heat-sensitive adhesive layer includes a cross-linked structure formed by reaction of the polyester-based resin and the cross-linking agent.

[Claim 2]

The adhesive sheet as recited in claim 1, wherein the cross-linking agent is an isocyanate-based cross-linking agent.

[Claim 3]

The adhesive sheet as recited in claim 1 or 2, wherein the polyester-based resin consists only of the amorphous polyester resin having a glass transition temperature of ~~-30~~15°C or higher and 7°C or lower.

[Claim 4]

The adhesive sheet as recited in any one of claims 1 to 3, wherein the adhesive sheet is such that a heat-sealing process is performed for the adhesive sheet in a state in which the adhesive sheet is in contact with an adherend surface of the plasticized vinyl chloride resin article, the adherend