SUMMARY

[Technical Problem]

Accordingly, the inventors of the present disclosure tried to manufacture an adhesive tape that enhances adhesion by preventing reduction of adhesion of an acrylic adhesive layer caused due to moisture. As a result, the inventors of the present disclosure have completed the present invention by manufacturing an adhesive tape in a new form, including a moisture barrier layer in a release layer.

Accordingly, an object of the present disclosure is to provide an acrylic pressure sensitive adhesive tape which enhances adhesion by preventing reduction of adhesion of an acrylic adhesive layer caused due to moisture, by including a moisture barrier layer in a release layer.

[Technical Solution]

To achieve the above-described object, the present disclosure provides a pressure sensitive adhesive tape, comprising:

a substrate layer including metal;

an adhesive layer stacked on one surface of the substrate layer, and including an acrylic adhesive polymer resin; and

a release layer stacked on one surface of the adhesive layer,

wherein the release layer includes a moisture barrier layer.

In one aspect, there is provided a pressure sensitive adhesive tape comprising:

a substrate layer including metal;

an adhesive layer stacked on one surface of the substrate layer, and including an acrylic adhesive polymer resin including a carboxylic acid component, the adhesive layer further comprising a conductive filler comprising metal; and

a release layer stacked on one surface of the adhesive layer,

wherein the release layer includes a moisture barrier layer.

[Advantageous Effects]

The pressure sensitive adhesive tape according to the present disclosure prevents reduction of adhesion of the adhesive layer caused by moisture in a high-humidity environment, and has enhanced adhesion.

[Brief Description of the Drawings]

FIGS. 1 to 6 are schematic diagrams of a pressure sensitive adhesive tape according to one embodiment of the present disclosure.

DETAILED DESCRIPTION

A pressure sensitive adhesive tape of the present disclosure includes: a substrate layer including metal; an adhesive layer stacked on one surface of the substrate layer and including an acrylic adhesive

What is claimed is:

1. A pressure sensitive adhesive tape comprising:

a substrate layer comprising metal;

an adhesive layer stacked on one surface of the substrate layer, and comprising an acrylic adhesive polymer resin including a carboxylic acid component, the adhesive layer further comprising a conductive filler comprising metal; and

a release layer stacked on one surface of the adhesive layer,

wherein the release layer comprises a moisture barrier layer.

2. The pressure sensitive adhesive tape of claim 1,

wherein the acrylic adhesive polymer resin is a polymer in which an alkyl acrylic acid ester monomer having an alkyl group of carbon numbers 1 to 14, and a polar copolymerization monomer comprising a carbonyl group are copolymerized.

3. The pressure sensitive adhesive tape of claim 2,

wherein the alkyl acrylic acid ester monomer and the polar copolymerization monomer comprising the carbonyl group are copolymerized in a weight ratio of 99-50:1-50.

4. The pressure sensitive adhesive tape of claim 1,

wherein the release layer comprises a release film,

wherein the moisture barrier layer comprises a substrate film and a barrier coating layer, and

wherein the pressure sensitive adhesive tape has a structure in which the substrate layer, the adhesive layer, the release film, the barrier coating layer, and the substrate film are stacked in sequence.

5. The pressure sensitive adhesive tape of claim 1,

wherein the moisture barrier layer comprises a substrate film and a barrier coating layer, and wherein the barrier coating layer comprises one or more selected from the group consisting of aluminum oxide (AlO_x), silicon oxide (SiO_x), ethylene vinyl alcohol (EVOH), polyvinyl alcohol (PVA), and polyvinylidene chloride (PVDC).

6. The pressure sensitive adhesive tape of claim 1,

wherein the moisture barrier layer comprises a substrate film having one surface release-treated, and a barrier coating layer, and

wherein the pressure sensitive adhesive tape has a structure in which the substrate layer, the adhesive layer, the substrate film, and the barrier coating layer are stacked in sequence.

7. The pressure sensitive adhesive tape of claim 1,

wherein a moisture permeability of the moisture barrier layer is 0.01 to 6 g/㎡·day.

8. The pressure sensitive adhesive tape of claim 1,

wherein an average thickness of the adhesive tape is 5 to 500 ㎛.

9. The pressure sensitive adhesive tape of claim 1,

wherein the adhesive tape further comprises the adhesive layer and the release layer formed on the other surface of the substrate layer.