CLAIMS

[Claim 1]

An adhesive film comprising:

a base material layer (A);

an adhesive resin layer (B) for temporarily fixing an electronic component on a first surface side of the base material layer (A); and

an adhesive resin layer (C) on a second surface side of the base material layer (A),

wherein at least one layer of layers constituting the adhesive film is a colored layer, and

an absolute value of a* of the adhesive film in an L*a*b* color system defined in JIS Z 8781-4:2013 is equal to or more than 1, or an absolute value of b* of the adhesive film in an L*a*b* color system defined in JIS Z 8781-4:2013 is equal to or more than 1.

[Claim 2]

The adhesive film according to Claim 1, wherein the colored layer includes a layer other than the adhesive resin layer (B).

[Claim 3]

The adhesive film according to Claim 1 or 2, wherein the colored layer includes the adhesive resin layer (C).

[Claim 4]

The adhesive film according to any one of Claims 1 to 3, further comprising:

an intermediate layer (D),

wherein the colored layer includes the intermediate layer (D).

[Claim 5]

The adhesive film according to Claim 4, wherein the intermediate layer (D) is located at at least one selected from between the base material layer (A) and the adhesive resin layer (C) or between the base material layer (A) and the adhesive resin layer (B).

[Claim 6]

The adhesive film according to Claim 4 or 5, wherein a resin constituting the intermediate layer (D) includes one or two or more selected from the group consisting of a polyolefin-based resin, a polystyrene-based resin, and a (meth)acrylic-based resin.

[Claim 7]

The adhesive film according to any one of Claims 4 to 6, wherein a thickness of the intermediate layer (D) is equal to or more than 1 μm and equal to or less than 500 μm.

[Claim 8]

The adhesive film according to any one of Claims 1 to 7,

wherein the colored layer contains a colorant.

[Claim 9]

The adhesive film according to Claim 8, wherein a content of the colorant is equal to or more than 0.01% by mass and equal to or less than 2.0% by mass with respect to a total mass of the colored layer.

[Claim 10]

The adhesive film according to any one of Claims 1 to 9, wherein a value of L^* of the adhesive film in an $L^*a^*b^*$ color system defined in JIS Z 8781-4:2013 is equal to or less than 90.

[Claim 11]

The adhesive film according to any one of Claims 1 to 10, wherein a layer other than the colored layer is colorless and transparent.

[Claim 12]

The adhesive film according to any one of Claims 1 to 11, wherein the adhesive resin layer (C) contains a heat-expansion type adhesive.

[Claim 13]

The adhesive film according to Claim 12, wherein the heat-expansion type adhesive is an adhesive whose adhesive strength is reduced or lost by heating at a temperature exceeding 100°C.

[Claim 14]

A manufacturing method of an electronic device, comprising:

a step of attaching a support substrate to an adhesive resin layer (C) side of the adhesive film according to any one of Claims 1 to 13; and

a step of confirming that the adhesive film is attached to the support substrate by a color of the adhesive film.

[Claim 15]

The manufacturing method of an electronic device according to Claim 14, further comprising, in this order:

a step of placing an electronic component over the adhesive resin layer (B) of the adhesive film after the step of confirming that the adhesive film is attached to the support substrate; and

a step of sealing the electronic component with a sealing material.

[Claim 16]

The manufacturing method of an electronic device according to Claim 15, wherein the sealing material includes an epoxy resin-based sealing material.

[Claim 17]

The manufacturing method of an electronic device according to any one of Claims 14 to 16, wherein the electronic device

includes a fan-out type package.