Claims

[Claim 1]

A laminated film having a resin layer laminated on at least one surface of a base film, wherein:

the base film is a semi-aromatic polyamide film that has been at least uniaxially stretched;

the resin layer contains inorganic and/or organic fine particles at a content of 0.1 to 25% by mass;

the resin layer has a thickness of 0.03 to 0.5 μm; ~~and~~

a close adhesion between the base film and the resin layer, ~~according to a cross-cut method described in JIS K 5600,~~ is 95% or more; and

a haze of the laminated film is 3% or less.

[Claim 2]

The laminated film according to claim 1, wherein a resin constituting the resin layer contains one selected from the group consisting of a polyamide-based resin, a polyester-based resin, and a polyurethane-based resin.

[Claim 3]

The laminated film according to claim 2, wherein the polyamide-based resin is a dimer acid-based polyamide resin.

[Claim 4]

The laminated film according to claim 2, wherein the polyurethane-based resin is a polyester-based urethane resin.

~~[Claim 5]~~

~~The laminated film according to any one of claims 1 to 4, wherein the resin layer contains inorganic and/or organic fine particles.~~

~~[Claim 6]~~

~~The laminated film according to claim 5, wherein the resin layer has the fine particles at a content of 0.1 to 25% by mass.~~

[Claim 5~~7~~]

The laminated film according to any one of claims 1 to 4~~6~~, wherein the semi-aromatic polyamide contains an aromatic dicarboxylic acid component and an aliphatic diamine

component.

~~[Claim 8]~~

~~The laminated film according to any one of claims 1 to 7, having a haze of 3% or less.~~

[Claim 6~~9~~]

The laminated film according to any one of claims 1 to 5~~8~~, having a dynamic friction coefficient of 0.7 or less under an atmosphere of 23°C × 50% RH on a surface of the resin layer.

[Claim 7~~10~~]

The laminated film according to any one of claims 1 to 6~~9~~, having a thermal shrinkage factor of 3% or less after a treatment at 250°C for 5 minutes.

[Claim 8~~11~~]

A laminated body comprising an acrylic resin-containing layer laminated on the resin layer of the laminated film according to any one of claims 1 to 7~~10~~.

[Claim 9~~12~~]

An optical component using the laminated body according to claim 8~~11~~.

[Claim 10~~13~~]

A method for producing the laminated film according to claim 1, wherein a coating agent for resin layer formation is applied to at least one surface of a semi-aromatic polyamide film to form a resin layer.

[Claim 11~~14~~]

The method for producing the laminated film according to claim 10~~13~~, comprising the following steps (a) to (f):

(a) producing an unstretched film made of semi-aromatic polyamide;

(b) applying a coating agent for resin layer formation to at least one surface of the film made of semi-aromatic polyamide to form a coating film;

(c) drying the coating film;

(d) stretching the film;

(e) subjecting the stretched film to a heat setting treatment at 250°C to (Tm - 5°C); and

(f) rolling the stretched film up.

[Claim 12~~15~~]

The method for producing the laminated film according to claim 11~~14~~, wherein the steps are performed in an order of (a), (b), (c), (d), (e), and (f).

[Claim 13~~16~~]

The method for producing the laminated film according to claim 11~~14~~, wherein the steps are performed in an order of (a), (d), (b), (c), (d), (e), and (f).

[Claim 14~~17~~]

The method for producing the laminated film according to claim 11~~14~~, wherein the steps are performed in an order of (a), (d), (e), (b), (c), and (f).