Claims

[Claim 1]

A thermoplastic resin sheet comprising a multilayer of two or more layers comprising a skin layer and a main layer, wherein

the skin layer comprises a thermoplastic resin and an antistatic agent;

the main layer comprises a thermoplastic resin and an inorganic additive;

the thickness of the skin layer is equal to or less than a predetermined length; and

when the thermoplastic resin sheet is stretched, water repellency of the skin layer increases.

[Claim 2]

The thermoplastic resin sheet according to claim 1, wherein the thickness of the skin layer is 10 μm or more and 50 μm or less, and when the thermoplastic resin sheet is stretched, a water droplet contact angle on the skin layer is 90° or more.

[Claim 3]

The thermoplastic resin sheet according to claim 1 or 2, wherein the surface resistivity of the skin layer is 9×10^{13} Ω or less.

[Claim 4]

The thermoplastic resin sheet according to any one of claims 1 to 3, wherein the thermoplastic resin contained in the skin layer and the main layer is a polyolefinic polymer.

[Claim 5]

The thermoplastic resin sheet according to any one of claims 1 to 4, wherein the antistatic agent comprises a sulfonate salt as a substantial component.

[Claim 6]

The thermoplastic resin sheet according to any one of claims 1 to 5, wherein the average particle size of the inorganic additive is 20 μm or less.

[Claim 7]

A formed article obtained by thermoforming the thermoplastic resin sheet according to any one of claims 1 to 6.

Claims

[Claim 1]

A deep-drawn formed article obtained by thermoforming a thermoplastic resin sheet,

the thermoplastic resin sheet comprising a multilayer of two or more layers comprising a skin layer and a main layer, wherein

the skin layer comprises a thermoplastic resin and an antistatic agent comprising a sulfonate salt as a substantial component;

the main layer comprises a thermoplastic resin and an inorganic additive having an average particle size of 20 μm or less;

the thickness of the skin layer is 15 to 35 μm; and

when the thermoplastic resin sheet is deep-drawn by thermoforming, the inorganic additive contained in the main layer forms a projection shape on the surface of the skin layer to increase water repellency of the skin layer.

[Claim 2]

The deep-drawn formed article according to claim 1, wherein a water droplet contact angle on the skin layer after deep drawing by thermoforming is 90° or more.