CLAIMS

[Claim 1]

A release film comprising a substrate, an antistatic layer provided on one surface of the substrate, and a release layer provided on the antistatic layer or on the side of the other surface of the substrate,

the one surface of the substrate having an arithmetic average roughness Ra of 15 nm or less and a maximum projection height Rp of 150 nm or less,

the antistatic layer being formed by curing an aqueous thermosetting resin composition comprising a polythiophene-based conductive polymer (A),

the antistatic layer having a thickness of 12 to 250 nm,

wherein the aqueous thermosetting resin composition further comprises a hydroxy group-containing polyester resin (B) and a melamine compound (C), and

wherein the aqueous thermosetting resin composition comprises the melamine compound (C) in an amount of 8 to 35 parts by mass based on 100 parts by mass of a sum total of the polythiophene-based conductive polymer (A) and the hydroxy group-containing polyester resin (B).

[Claim 2]

The release film according to claim 1, wherein the release layer is provided on the antistatic layer.

[Claim 3]

The release film according to claim 1 or 2, wherein the release layer has an arithmetic average roughness Ra of less than 10 nm and a maximum projection height Rp of less than 100 nm.

[Claim 4]

The release film according to claim 1, wherein the aqueous thermosetting resin composition comprises the polythiophene-based conductive polymer (A) in an amount of 0.5 to 50 parts by mass based on 100 parts by mass of the hydroxy group-containing polyester resin (B).

[Claim 5]

The release film according to any one of claims 1 to 4, wherein the melamine compound (C) is a methylol melamine.

[Claim 6]

The release film according to any one of claims 1 to 5, wherein the polythiophene-based conductive polymer (A) is a mixture of polyethylene dioxythiophene and polystyrene sulfonate.

[Claim 7]

The release film according to any one of claims 1 to 6, which is to be used for a production process of a ceramic green sheet.