CLAIMS

[Claim 1] Mold release film that is comprising a mold release layer that contains at least poly(butylene terephthalate) homopolymer (A), and a copolymer having a poly(butylene terephthalate) component (PBT) and a poly(tetramethylene glycol) component (PTMG).

[Claim 2] The mold release film as recited in Claim 1, wherein the weight ratio A/B for the poly(butylene terephthalate) homopolymer (A) and copolymer (B) in the mold release layer of the mold release film is 25/75 or greater and 80/20 or less.

[Claim 3] The mold release film as recited in Claim 2, wherein the weight ratio A/B for the poly(butylene terephthalate) homopolymer (A) and copolymer (B) in the mold release layer of the mold release film is 25/75 or greater and 50/50 or less.

[Claim 4] The mold release film as recited in any one of Claims 1 through 3, wherein the copolymer ratio PBT/PTMG of the poly(butylene terephthalate) component (PBT) and a poly(tetramethylene glycol) component (PTMG) in the aforementioned copolymer (B) is 80/20 or more and 90/10 or less.

[Claim 5] The mold release film as recited in any one of Claims 1 through 4 that further comprising a cushion layer.

[Claim 6] The mold release film as recited in Claim 5, wherein the thickness of the aforementioned mold release layer is 15 μm or less.

[Claim 7] Mold release film comprising a mold release layer, which is formed from a resin that has as a main component a polyether-ester block copolymer that is mainly constituted from polyether segments and polyester segments, as a surface layer on at least one side.

[Claim 8] Mold release film comprising a mold release layer, which is formed from a resin with a poly(butylene terephthalate)-type resin as the main component, as a surface layer on at least one side.

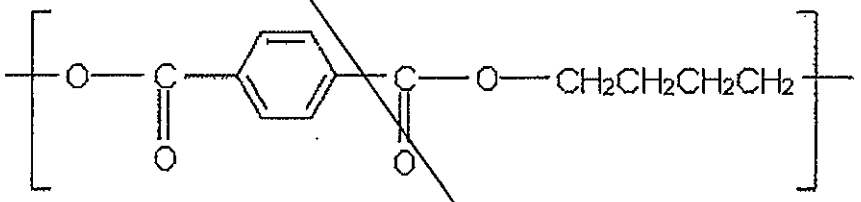
[Claim 9] The mold release film as recited in Claim 8,
wherein the thickness of the aforementioned mold release layer is 10 μm or less.

[Claim 10] The mold release film as recited in Claim 8 or Claim 9,
wherein the aforementioned poly(butylene terephthalate)-type resin is poly(butylene terephthalate) resin.

[Claim 11] The mold release film as recited in Claim 8 or Claim 9,
wherein the aforementioned poly(butylene terephthalate)-type resin is a polyether-ester block copolymer that is mainly constituted from polyether segments and polyester segments.

[Claim 12] The mold release film as recited in Claim 7 or Claim 11,
wherein the weight ratio for the aforementioned polyester segments and the aforementioned polyether segments is within the range from 80:20 to 90:10.

[Claim 13] The mold release film as recited in Claim 12,
wherein the aforementioned polyether segment structural units are mainly oxybutylene units,
and the aforementioned polyester segment structural units are mainly the ester units shown in Chemical Formula (I) below.
[Chemical Structure 1]



(I)

CLAIMS

[Claim 1] Mold release film used for bonding a CL film to a circuit exposure film by hot press comprising
a mold release layer which
is formed from a resin with a poly(butylene terephthalate)-type resin as the main component and
has the thickness of 6μm or less,
as a surface layer on at least one side,
a cushion layer, and
an adhesive layer which
is interposed between the mold release layer and the cushion layer.

[Claim 2] The mold release film as recited in Claim 1,
wherein the thickness of the aforementioned mold release layer is less than 5 μm.

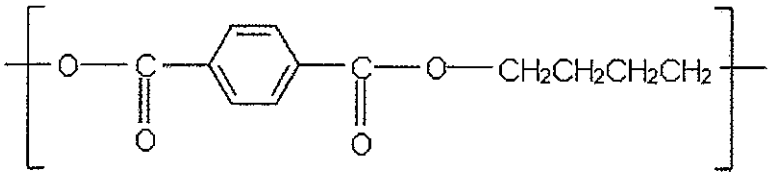
[Claim 3] The mold release film as recited in Claim 1 or Claim 2,
wherein the aforementioned poly(butylene terephthalate)-type resin is poly(butylene terephthalate) resin.

[Claim 4] The mold release film as recited in Claim 1 or Claim 2,
wherein the aforementioned poly(butylene terephthalate)-type resin is a polyether-ester block copolymer that is mainly constituted from polyether segments and polyester segments.

[Claim 5] The mold release film as recited in Claim 4,
wherein the weight ratio for the aforementioned polyester segments and the aforementioned polyether segments is within the range from 80:20 to 90:10.

[Claim 6] The mold release film as recited in Claim 5,
wherein the aforementioned polyether segment structural units are mainly oxybutylene units,
and the aforementioned polyester segment structural units are mainly the ester units shown in Chemical Formula (I) below.

[Chemical Structure 1]



(I)

[Claim 7] The mold release film as recited in any one of Claims 4 through 6, wherein the aforementioned mold release layer consists essentially of the polyether-ester block copolymer.