CLAIMS

1. A release film-equipped pressure sensitive adhesive sheet comprising:

a photocured pressure sensitive adhesive sheet having a first principal surface and a second principal surface; and

a first release film temporarily attached on the first principal surface of the pressure sensitive adhesive sheet,

wherein

the first release film has a release layer on a base film,

the release layer is in contact with the pressure sensitive adhesive sheet,

the pressure sensitive adhesive sheet contains a photocured acryl-based polymer and a UV absorber,

the release layer is a silicone-based release layer having a Si atom content of 0.02 to 0.07 g/m^2.

2. The release film-equipped pressure sensitive adhesive sheet according to claim 1, further comprising a second release film temporarily attached on the second principal surface of the pressure sensitive adhesive sheet.

3. The release film-equipped pressure sensitive adhesive sheet according to claim 2, wherein a peel strength between the first release film and the pressure sensitive adhesive sheet is higher than a peel strength between the second release film and the pressure sensitive adhesive sheet.

4. The release film-equipped pressure sensitive adhesive sheet according to any one of claims 1 to 3, wherein the pressure sensitive adhesive sheet has a light transmittance of 10% or less at a wavelength of 380 nm.

5. The release film-equipped pressure sensitive adhesive sheet according to any one of claims 1 to 4, wherein monomer component of the acryl-based polymer includes a polyfunctional monomer component having two or more polymerizable functional groups per molecule.

6. The release film-equipped pressure sensitive adhesive sheet according to any one

of claims 1 to 5, wherein the UV absorber is a triazine-based UV absorber.

7. The release film-equipped pressure sensitive adhesive sheet according to any one of claims 1 to 6, wherein the pressure sensitive adhesive sheet contains 0.1 to 10 parts by weight of the UV absorber based on 100 parts by weight of the acryl-based polymer.

8. A method for manufacturing a release film-equipped pressure sensitive adhesive sheet including: a photocured pressure sensitive adhesive sheet having a first principal surface and a second principal surface; a first release film temporarily attached on the first principal surface of the pressure sensitive adhesive sheet; and a second release film temporarily attached on the second principal surface of the pressure sensitive adhesive sheet,

wherein the method comprising the steps of:

preparing a laminate in which a photocurable pressure sensitive adhesive composition layer is sandwiched between the first release film and the second release film; and

irradiating the laminate with light from a first release film-side to photocure the photocurable pressure sensitive adhesive composition,

wherein

the photocurable pressure sensitive adhesive composition layer contains an acryl-based monomer and/or a partially polymerized product of the acryl-based monomer, a UV absorber and a photopolymerization initiator,

the first release film has a release layer on a base film at a surface contacting the photocurable pressure sensitive adhesive composition, and

the release layer is a silicone-based release layer having a Si atom content of 0.02 to 0.07 g/m^2.

9. The method for manufacturing a release film-equipped pressure sensitive adhesive sheet according to claim 8, wherein the photopolymerization initiator has a photosensitivity at a wavelength of 400 nm or longer.