CLAIMS

1. A one-side-protected polarizing film, comprising:

a polarizer;

a transparent protective film provided on only one surface of the polarizer; and

a transparent layer provided directly on another surface of the polarizer, wherein

the polarizer comprises a polyvinyl alcohol-based resin, has a thickness of 10 μm or less, and is designed to have a single-body transmittance T and a polarization degree P representing optical properties satisfying the condition of the following formula: $P > -(10^{0.929T - 42.4} - 1) \times 100$ (provided that $T < 42.3$) or $P \geq 99.9$ (provided that $T \geq 42.3$), and

the transparent layer has a thickness F (μm) and an 80°C compressive elastic modulus C (GPa) satisfying formula 1: $F \geq 3$ and formula 2: $C \geq e^{-0.7F}$.

2. The one-side-protected polarizing film according to claim 1, wherein the transparent layer is a layer which is not stretched.

3. The one-side-protected polarizing film according to claim 1 or 2, wherein the transparent layer is a coating layer.

4. The one-side-protected polarizing film according to

claims 1 to 3, wherein the transparent layer has an 80°C compressive elastic modulus of 0.1 GPa or more.

5. The one-side-protected polarizing film according to claims 1 to 4, wherein the transparent layer is a product obtained by curing a curable, layer-forming material containing a curable component.

6. The one-side-protected polarizing film according to any one of claims 1 to 5, wherein the polarizer contains 25% by weight or less of boric acid based on the total weight of the polarizer.

7. A pressure-sensitive-adhesive-layer-attached polarizing film comprising: the one-side-protected polarizing film according to any one of claims 1 to 6; and a pressure-sensitive adhesive layer.

8. The pressure-sensitive-adhesive-layer-attached polarizing film according to claim 7, wherein the pressure-sensitive adhesive layer is provided on the transparent layer of the one-side-protected polarizing film.

9. The pressure-sensitive-adhesive-layer-attached polarizing film according to claim 7, wherein the pressure-sensitive adhesive layer is provided on the

transparent protective film of the one-side-protected polarizing film.

10. The pressure-sensitive-adhesive-layer-attached polarizing film according to any one of claims 7 to 9, further comprising a separator provided on the pressure-sensitive adhesive layer.

11. The pressure-sensitive-adhesive-layer-attached polarizing film according to claim 10, which is in the form of a roll.

12. An image display device comprising the one-side-protected polarizing film according to any one of claims 1 to 6 or the pressure-sensitive-adhesive-layer-attached polarizing film according to any one of claims 7 to 9.

13. A method for continuously producing an image display device, the method comprising the steps of:

unwinding the pressure-sensitive-adhesive-layer-attached polarizing film from the roll of the pressure-sensitive-adhesive-layer-attached polarizing film according to claim 11;

feeding the pressure-sensitive-adhesive-layer-attached

polarizing film with the separator; and

continuously bonding the pressure-sensitive-adhesive-layer-attached polarizing film to a surface of an image display panel with the pressure-sensitive adhesive layer interposed therebetween.