

ABSTRACT

The present invention relates to a polarizing film, comprising a polarizer having a thickness of 10 μm or less, and a transparent resin layer on at least one surface of the polarizer,

wherein the polarizer comprises a polyvinyl alcohol-based resin, 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:

$$P > -(10^{0.929T - 42.4} - 1) \times 100 \text{ (provided that } T < 42.3)$$
or $P \geq 99.9$ (provided that $T \geq 42.3$), and

the transparent resin layer is a formed product of a transparent resin layer forming material comprising a water-based emulsion resin and has a hardness of 0.01 GPa or more. The polarizing film of the present invention, using a thin-polarizer, can suppress the occurrence of defects such as nano-slits and is further restrained from being lowered in optical properties in a heating and humidifying test to have a high optical reliability.

Fig.1