

36
ABSTRACT

The present invention provides an anti-glare hard coat film suppressed from reflected glare and suppressed or prevented from horizontal stripes and/or vertical stripes. An anti-glare hard coat film (10), includes: a translucent base (A) (11); and an anti-glare hard coat layer (B) (12), wherein the anti-glare hard coat layer (B)(12) is laminated on the translucent base (A) (11), the anti-glare hard coat layer (B) (12) is formed of a resin layer (12a) and contains first particles (12b1) and second particles (12b2) inside the resin layer (12a), a total mass of the first particles (12b1) and the second particles (12b2) is 2 to 25% by mass relative to a total mass of a resin forming the resin layer (12a), asperities are formed on an outermost surface of the anti-glare hard coat film (10) on a side of the anti-glare hard coat layer (B) (12), a weight-average particle size of the first particles (12b1) satisfies the following mathematical equation (1), a weight-average particle size of the second particles (12b2) satisfies the following mathematical equation (2), and the asperities on the outermost surface satisfy the following mathematical equations (3) and (4):

$$3.0 < d1 \leq 8.5 [\mu\text{m}] \quad (1)$$

$$1.0 \leq d2 \leq 3.0 [\mu\text{m}] \quad (2)$$

$$\text{Ry: } 1.0 \leq \text{Ry} \leq 7.0 [\mu\text{m}] \quad (3)$$

$$\theta\text{a: } 1.0 \leq \theta\text{a} \leq 7.5 [^\circ] \quad (4)$$

where in the mathematical equation (1), d1 is the weight-average particle size [μm] of the first particles,

in the mathematical equation (2), d2 is the weight-average particle size [μm] of the second particles,

in the mathematical equation (3), Ry is a maximum height [μm] of a protruding part of the asperities, and

in the mathematical equation (4), θa is an average tilt angle [$^\circ$] of the asperities.

FIG.1