CLAIMS

1. An anti-glare film, comprising:

a translucent base (A); and

an anti-glare layer (B), wherein

the anti-glare layer (B) is laminated on the translucent base (A),

the anti-glare layer (B) contains fine particles,

a weight-average particle size of the fine particles is in a range from 5.5 to 9 μm,

the fine particles are made of one kind of compound (excluding silica fine particles and silicon fine particles),

asperities are formed on an outermost surface of the anti-glare film on a side of the anti-glare layer (B), and

the asperities satisfy the following mathematical equations (1) and (2):

$$1.7 \leq Ry \leq 9 \quad (1)$$

$$0.7 \leq \theta a \leq 8 \quad (2)$$

where in the mathematical equation (1), Ry is a maximum height [μm] of a protruding part of the asperities, and

in the mathematical equation (2), θa is an average tilt angle [°] of the asperities.

2. The anti-glare film according to claim 1, wherein

asperities are formed on a surface of the anti-glare layer (B) on a side facing away from the translucent base (A), and

a weight-average particle size of the fine particles is larger than a thickness obtained by subtracting the maximum height of the protruding part of the asperities from a maximum thickness of the anti-glare layer (B).

3. The anti-glare film according to claim 1 or 2, further comprising:

other layer laminated on the surface of the anti-glare layer (B) on the side facing away from the translucent base (A).

4. An anti-glare film, comprising:

a translucent base (A);

an anti-glare layer (B); and

other layer, wherein

the anti-glare layer (B) and the other layer are laminated in this order on the translucent base (A),

the anti-glare layer (B) contains fine particles,

a weight-average particle size of the fine particles is in a range from 5.5 to 9 μm,

the fine particles are made of one kind of compound (excluding silica fine particles and silicon fine particles),

asperities are formed on an outermost surface of the other layer, and

the asperities satisfy the following mathematical equations (1) and (2):

$$1.7 \leq Ry \leq 9 \qquad (1)$$

$$0.7 \leq \theta a \leq 8 \qquad (2)$$

where in the mathematical equation (1), Ry is a maximum height [μm] of a protruding part of the asperities, and

in the mathematical equation (2), θa is an average tilt angle [°] of the asperities.

5. A method for producing the anti-glare film according to any one of claims 1 to 4, comprising the step of:

forming the anti-glare layer (B) on the translucent base (A) so as to satisfy the mathematical equations (1) and (2), wherein

the anti-glare layer (B)-forming comprises the steps of:

coating a coating liquid on the translucent base (A); and

forming a coating film by drying the coated coating liquid, and

the coating liquid contains a resin and a solvent.

6. The method according to claim 5, wherein

the anti-glare layer (B)-forming further comprises the step of curing the coating film.

7. An optical member comprising the anti-glare film according to any one of claims 1 to 4.

8. The optical member according to claim 7, which is a polarizing plate.

9. An image display device comprising the anti-glare film according to any one of claims 1 to 4 or the optical member according to claim 7 or 8.

10. The image display device according to claim 9, which is a public information display.