

ABSTRACT

A blank mask includes a transparent substrate and a light shielding film disposed on the transparent substrate. A surface of the light shielding film has a controlled power spectrum density value at a spatial frequency of $1\mu\text{m}^{-1}$ to $10\mu\text{m}^{-1}$. The surface of the light shielding film has a controlled minimum power spectrum density value at the spatial frequency of $1\mu\text{m}^{-1}$ to $10\mu\text{m}^{-1}$. An Rq value of the surface of the light shielding film is 0.25nm to 0.55nm.

FIG 1