GLASS FOR INFORMATION RECORDING MEDIA SUBSTRATE, GLASS SUBSTRATE FOR MAGNETIC DISK AND MAGNETIC DISK

ABSTRACT

To provide a glass for an information recording media substrate, which is excellent in weather resistance.

A glass for an information recording media substrate, which comprises, as represented by mol% based on oxide, from 61 to 66% of SiO_2, from 11.5 to 17% of Al_2O_3, from 8 to 16% of Li_2O, from 2 to 8% of Na_2O, from 2.5 to 8% of K_2O, from 0 to 6% of MgO, from 0 to 4% of TiO_2 and from 0 to 3% of ZrO_2, provided that $Al_2O_3+MgO+TiO_2$ is at least 12%, and $Li_2O+Na_2O+K_2O$ is from 16 to 23%, wherein in a case of where B_2O_3 is contained, its content is less than 1%. The above glass for an information recording media substrate, wherein when the glass is left under steam atmosphere at 120°C at 0.2 MPa for 20 hours, and the amount of Li, the amount of Na and the amount of K, which precipitate on a surface of the glass are represented as C_{Li}, C_{Na} and C_K respectively, C_{Na} is at most 0.7 nmol/cm^2, and $C_{Li}+C_{Na}+C_K$ is at most 3.5 nmol/cm^2.

No Figure