

GLASS SUBSTRATE FOR INFORMATION RECORDING MEDIUM AND INFORMATION RECORDING MEDIUM

ABSTRACT

A glass substrate for information recording medium, said glass substrate being composed of an aluminosilicate glass containing 60-75 % by mass of SiO_2 , 5-18 % by mass of Al_2O_3 , 3-10 % by mass of Li_2O , 3-15 % by mass of Na_2O and 0.5-8 % by mass of ZrO_2 relative to the entire glass components. The glass substrate for information recording medium contains neither As (arsenic) nor Sb (antimony), while containing at least one polyvalent element selected from the group consisting of V (vanadium), Mn (manganese), Ni (nickel), Nb (niobium), Mo (molybdenum), Sn (tin), Ce (cerium), Ta (tantalum) and Bi (bismuth). The molar ratio of the total amount of the polyvalent elements to the amount of ZrO_2 is within the range of 0.05-0.50.