

ABSTRACT

GLASS FOR MAGNETIC RECORDING MEDIUM SUBSTRATE AND USAGE THEREOF

One embodiment of the present invention relates to glass for a magnetic recording medium substrate, which comprises: essential components in the form of SiO_2 , Li_2O , Na_2O , and one or more alkaline earth metal oxides selected from the group consisting of MgO , CaO , SrO , and BaO ; wherein a molar ratio of a content of MgO to a combined content of MgO , CaO , SrO , and BaO ($\text{MgO}/(\text{MgO}+\text{CaO}+\text{SrO}+\text{BaO})$) is equal to or greater than 0.80; and which has a glass transition temperature of equal to or greater than 620°C , and wherein a specific modulus of elasticity is equal to or greater than 30 MNm/kg.

NO FIGURE