

ABSTRACT OF THE DISCLOSURE

ALKALI-FREE GLASS FOR MAGNETIC RECORDING MEDIUM AND GLASS SUBSTRATE FOR MAGNETIC RECORDING MEDIUM USING SAME

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The present invention provides an alkali-free glass for a magnetic recording medium which has high specific elastic modulus, a high Young's modulus, a high glass transition point, high chemical durability, low density, and high strength, and in which float forming is easily performed. The present invention relates to an alkali-free glass
10 for a magnetic recording medium, having a Young's modulus of 87 GPa or more, and including in terms of mass% on the basis of oxides: 61 to 68.5 of SiO₂; 17 to 23.5 of Al₂O₃; 6.5 to 15 of MgO; and 3 to 13 of CaO, in which the contents of MgO and CaO satisfy the following relationship: $0.42 < \text{MgO}/(\text{MgO} + \text{CaO}) \leq 0.68$.

No Suitable Figure