

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, and provides a glass substrate for a magnetic recording medium using the same. The present invention relates to an alkali-free glass for a magnetic recording medium, having a Young's modulus of 90 GPa or more, and including in terms of mass% on the basis of oxides: 40 to 65 of SiO₂; more than 23.5 and 30 or less of Al₂O₃; 2.5 to 20 of MgO; and 2 to 30 of CaO, in which a total content of SiO₂ and Al₂O₃ is in the range of 70 mass% to 90 mass%.

15 No Suitable Figure