

ABSTRACT

Glass substrate for magnetic recording medium and its use

An aspect of the present invention relates to a glass substrate for a magnetic recording medium, which is comprised of glass with a glass transition temperature of equal to or greater than 600°C, an average coefficient of linear expansion at 100 to 300°C of equal to or greater than $70 \times 10^{-7}/^{\circ}\text{C}$, a Young's modulus of equal to or greater than 81 GPa, a specific modulus of elasticity of equal to or greater than 30 MNm/kg, and a fracture toughness value of equal to or greater than $0.9 \text{ MPa}\cdot\text{m}^{1/2}$.

No figure